NEW MEMBERS

Technical Committee for Gearing and Transmission

New member 1

Data of the new member: Prof. Given name Konstantin family NAME: Ivanov		
Position: *please select* **new member**		
Passport size photograph 	**E-mail:** ivanovgreek@mail.ru **Web:** www.aipet.kz **Country ISD Code:** 7 **Tel:** +7 727 2920 772, **Fax:** +7 727 292 5057	**Address** (obligatory) Almaty University of Power Engineering & Telecommunications Almaty, Kazakhstan Baytursynova str. 126 Almaty, 050013 KAZAKHSTAN

Short CV

Obligatory

Was born on April, 19th, 1935 in the city Vladikavkaz of the Russian Federation. In 1953 has left school and has acted in the North-Ossetian Agricultural Institute in Vladikavkaz. In 1958 has ended institute, has gained a trade of the mechanical engineer. With 1958 for 1964 worked as the engineer of a technical department of the Alma-Aty Car-repair Factory №2. Since 1964 I worked in Department "Theoretical Mechanics and Theory of Mechanisms and Machines" of Kazakh National Technical University in posts of the assistant, the senior teacher, the senior lecturer, the professor. With 1991 for 2002 managed Department «Robotics systems and complexes». I supervise over postgraduate study on a trade « the Theory of mechanisms and machines», has released 17 Cand.Tech.Sci. I am member-correspondent of National Engineering academy of Kazakhstan.

Experience of scientific and pedagogical activity:

- Has created the theory of a synthesis of lever mechanisms on the basis of the inverse of motion;
- Has developed the theory of adaptive mechanisms;
- Has developed 90 inventions and patents.

The basic scientific works:

1. Ivanov K.S. Synthesis of the space mechanisms by means of a method of the inverse of motion . // Mashinovedenie №1, Moskow.: "Science" 1978.
2. Ivanov K.S. Synthesis of the space mechanisms of a variable structure. // « Mechanics of machines », Moskow.: , issue 60.; "Science", 1983.
3. Ivanov K.S. Question of a synthesis of mechanical automatic transfers with variable speed. // Works of the Ninth World congress under the theory of mechanisms and machines.

Milan. Italy. 1995.

4. Ivanov K.S. Discovery of the Force Adaptation Effect. // Proceedings of the 11th World Congress in Mechanism and Machine Science. V. 2. April 1 - 4, 2004, Tianjin, China, p. 581 - 585.

5. Ivanov K.S. Adaptive Stepless Gearing. Proceedings of the Ninth IFToMM International Symposium on TMM. Vol. 2. Bucharest, Romania, 2005, p. 517 - 522.

6. Ivanov K.S. Gear Automatic Adaptive Variator with Constant Engagement of Gears. // Proceedings of the 12th World Congress in Mechanism and Machine Science. Besancon. France. 2007, Vol. 2, p. 182 - 188.

7. Ivanov K.S. Torque car variator with permanent engagement of cogwheels. // Transactions of Forum for Engineers, Mathematicians and Computer Scientists to share research and innovations, promoting interdisciplinary activities in all fields of Engineering Optimization. Vol. 8. Rio de Janeiro, Brazil, June 1 - 5, 2008. P. 124-132.

8. Ivanov K.S. Principles of creation of gear stepless boxes. // Proceedings of the 3rd International conference “Power transmissions 2009”. - Kallithea, Greece. 1-2 October 2009. - P. 171 – 176.

9. Ivanov K.S. The simplest automatic transfer box. // WCE 2010. World Congress on Engineering 2010 (ICME) London, UK. 2010. - P. 1179 – 1184.

10. Ivanov K.S. Automatic box in the form of tooth stepless gearing with constant engagement of wheels. // Proceedings of International Conference on Innovative Technologies. IN-TECH 2010. World Association for Innovative Technologies and Center for Surface Treatment. - Czech Republic, Prague. 2010. - P. 149 –153.

11. Ivanov K.S., Dinasilov A.D., Jaroslavceva E.K. Gear continuously variable transmission of windturbine. Proceedings of 7th International Science Conference “Research and Development of Mechanical Elements and Systems” (IRMES 2011). University of Nich. Zlatibor, Serbia. 2011. P. 499 – 506.

12. Ivanov K.S. Effect of force adaptation in mechanics. Journal of Mechanics Engineering and Automation. Vol. 1, N 3. Libertiville, USA. 2011. P. 163 – 180.

13. Ivanov K.S. Synthesis of Toothed Continuously Variable Transmission (CVT). Mechanism, Transmissions and Applications. Mechanism and Machine Science 3. Springer. 2012. P. 265 – 272.

14. Konstantin S. Ivanov, Almaty, KZ. – Gebrauchsmusterinhaber. Bezeichnung - Einrichtung zur automatischen und kontinuierichlen Drehmoment – und Drehzahlveranderung einer Abtriebswelle je nach Fahrwiderstand. Urkunde uber die Eintragung des Gebrauchsmusters Nr. 20 2012 101 273.1. Tag der Eintragung 02.05.2012. Deutsches Patent und Markenamts. Bundesrepublik Deutschland. 2012.

15. Ivanov K.S. Paradox of mechanics – a basis of creation CVT. Transactions of 2-d IFToMM Asian Conference on Mechanisms and Machines Science. November 7-10, 2012, Tokyo, Japan. P. 245 – 264.

16. Ivanov K.S. Theory of Continuously Variable Transmission (CVT) with Two Degrees of Freedom. Paradox of mechanics. Proceedings of the American Society of Engineers Mechanics (ASME) International Mechanical Engineering Congress & Exposition (IMECE 2012). Houston, Texas, USA. 2012. PP 543 – 562.

17. Ivanov K.S. Self-Adjusting Motor-Wheel with CVT. International Journal of Engineering and Innovanive Technology (IJEIT). Volume 2, Issue 4. Florida. USA. 2012. PP189 – 195.

18. Ivanov K.S. Synthesis of Toothed Continuously Variable Transmission (CVT). Mechanism, Transmissions and Applications. Mechanism and Machine Science 3. Springer. ISSN 2211-0992. 2012. P. 265 – 272.

19. Ivanov K.S. Paradox in the Mechanism Science. 1-st International Symposium on the

Education in Mechanism and Machine Science. June,13&14.2013. Madrid. Spain. P. 132-138.
20. Ivanov K.S. Continuously Variable Transmission: adaptive gear stepless mechanical CVT. International Conference of Gears with Exibition. VDI Wissensforum GmbH. Technical University of Munich (TUM), Garching (near Munich). Germany. 2013. PP. 984 - 987.

New member 2:

Data of the new member:
Position: Prof. **Given name:** Haruo **family NAME:** HOUJOH

Position: **new member**

Photo

E-mail: hhoujoh@pi.titech.ac.jp
Web:

Country ISD Code:
Tel: +81(0)45 924 5078
Fax: +81(0)045 924 5079

Address

Tokyo Institute of Technology,
Precision & Intelligence Laboratory,
Room R2-414
Post: R2-33,
4259 Nagatsuta, Midori-ku
Yokohama 226-8503
Japan

short CV
Director Tokyo Institute of Technology (Tokyo Tech), Precision & Intelligence Laboratory.

b) deleted members (for each new member please fill in the table as given bellow)

Delete member 1

Please selected: member **Name of removed/deleted person:** **Prof. Dr. Eng. Given name: Aizoh Family NAME KUBO**	**Reason of deleting/removing** Resign

Delete member 2

Please selected: member **Name of removed/deleted person:**	**Reason of deleting/removing**

Prof. Dr. Given name: George Family NAME DOBRE	Passed away

TC Linkages nd Mechanical Controls

Data of the new member: Prof. Dr. Eng. Domenico MUNDO

Position: member

E-mail:
domenico.mundo@unical.it
Web:
http://www.unical.it/portale/index.cfm
Country ISD Code: +39
Tel: +39 3204258034
Fax: +39 0984494673

Address
Institution name:
University of Calabria - Department of Mechanical, Energy and Management Engineering
Postal code, city:
87036 Arcavacata di Rende (Cs)
Street:
Via Bucci Cubo 45C
COUNTRY:
Italy

Short CV

RESEARCH INTERESTS
Kinematic synthesis and analysis of planar mechanisms, Gearing and transmissions, Vehicle dynamics, Mechanical vibrations
EDUCATION
Feb. 2004 – Ph.D. in Computational Mechanics, University of Calabria, Italy
Dissertation: A new methodology for the design of helical non-circular gears
July 1999 – Master Degree in Mechanical Engineering, University of Calabria, Italy
Thesis: Theoretical and experimental analysis of performances and emissions of a motorbike
PROFESSIONAL EMPLOYMENTS
2011 – today: Associate Professor at the University of Calabria
2002 -2011 Assistant Professor at the University of Calabria
PROFESSIONAL AFFILIATIONS
Member of the Italian division of IFToMM
Member of the Society of Automotive Engineers (Associate)

Data of the new member: Assoc. Prof. Dr. Eng. Corina-Mihaela GRUESCU

Position: observer

	**E-mail:** corina.gruescu@upt.ro **Web:** http://www.upt.ro/ **Country ISD Code:** +40 **Tel:** +40 256 40 35 35 **Cel:** +40 745 28 01 66 **Fax:** -	**Address** **Institution name:** University Politehnica Timisoara Mechanical Engineering Faculty Mechatronics Department **Postal code, city:** RO-300222, Timisoara **Street:** 1 Mihai Viteazu **COUNTRY:** Romania

Short CV

RESEARCH INTERESTS
Precision mechanics, Optical engineering, Reliability
EDUCATION
1978-1983 University Politehnica Timisoara, Mechanical Engineering Faculty, Precise mechanics Specialization, Romania
1998 Ph.D. from University Politehnica Timisoara, Romania
PROFESSIONAL EMPLOYMENTS
1983-1988 Design engineer, Company Optica Timisoara, Romania
1988- Present Assistent Professor, Lecturer and Associated Professor at the University Politehnica Timisoara, Mechatronics Department, Romania
PROFESSIONAL AFFILIATIONS
The Romanian Society for Precision Mechanics and Optics (AMFOR)
ARoTMM - Romanian Association of the Theory of Machine and Mechanism (national member of IFToMM)

Data of the new member: Prof. Giuseppe QUAGLIA

Position: Member

	**E-mail:** giuseppe.quaglia@polito.it **Web:** **Country ISD Code:** +39 **Tel:** 334 62 144 80 **Fax:** 011 090 6999	**Address** **Institution name:** Politecnico di Torino Department of Mechanical and Aerospace Engineering **Postal code, city:** 10129, Torino **Street:** Corso duca degli Abruzzi 24 **COUNTRY:**

		Italy

Short CV

RESEARCH INTERESTS
Mechatronics systems for disable people and healthcare, Mechanism and machine design, Mobile robots, Mechatronics, Robotics, Vehicle Systems Dynamic, Industrial Automation, Applied mechanics.
EDUCATION
1989 Graduation in Mechanical Engineering, Politecnico di Torino, 110/110 cum laude,
1993 PhD in "Applied Mechanics, Mechanical System and Structures".
PROFESSIONAL EXPERIENCES
1994-2003 Researcher at the Department of Mechanics of the Politecnico di Torino, first as
since 2003 Associate Professor in Applied Mechanics.
Professor in the Department of Mechanical and Aerospace Engineering of the Politecnico di Torino.
Developed and/or coordinated numerous researches between the Polytechnic of Turin and private Corporations such as CNR, COMAU, FIAT FERROVIARIA S.p.A, DAYCO, CORCOS S.p.A, TEXA A.T., RANCILIO, C.F. GOMMA, SKF, TESEO, MTM-BRC, CARMEC. Many researches financed from the MURST/MIUR and from Regione Piemonte.
PROFESSIONAL AFFILIATIONS
Member of the Editorial Board international Journals (Open Transportation J.,, Mechanical Systems and Signal Processing, J. of Vibration and Acoustics, J. of Sound and Vibration)
ORGANIZATIONAL SKILLS:
Prof. Quaglia is involved in many institutional activities with Politecnico di Torino: he is delegate of the Rector for organizational and logistical aspects of the teaching, vice-dean of the First Faculty of Engineering for the Logistic, member of the didactic management commission of the athenaeum, member of the Department Board, member of the PhD council, member of the Accademic Senate. He was also member of the Department council, member of the interdepartmental council (CESAL).

b) deleted members (for each new member please fill in the table as given bellow)

Please selected: member/observer **Name of removed/deleted person:** **Prof. /Dr./Eng. Given name NAME**	**Reason of deleting/removing**

The full list of members with indicated proposed new members/observers and rejected/deleted
(please note that minimum nuber of members is at least five persons according to ByLaws n.3.8)

TC Multibody

Data of the new member:

Associate Professor
Marek WOJTYRA

Position: **new member**

E-mail:
mwojtyra@meil.pw.edu.pl

Address
Warsaw University of Technology
Institute of Aeronautics and Applied Mechanics
Nowowiejska 24
00-665 Warsaw
POLAND

Marek WOJTYRA

Address
Warsaw University of Technology
Faculty of Power and Aeronautical Engineering
Institute of Aeronautics and Applied Mechanics
Nowowiejska 24, 00-665 Warsaw, Poland
mwojtyra@meil.pw.edu.pl

Current position
Associate Professor

Education
2013 D.Sc. (habilitation) in automation and robotics at Warsaw University of Technology
2000 Ph.D. in mechanical engineering (biomechanics) at Warsaw University of Technology
1992 M. Eng. in automation and robotics at Warsaw University of Technology

Teaching activities
- Basics of Computer Methods in Engineering
- Theory of Machines and Mechanisms
- Fundamentals of Robotics
- Dynamics of Multibody Systems

Research interest
- Computer-aided modelling of kinematics and dynamics of multibody systems
- Robotics
- Theory of machines and mechanisms
- Biomechanics

Career

2013 –	Associate Professor
2000 – 2013	Assistant Professor

1992 – 2000 Research Assistant

Research stays

- National Technical University of Athens (Greece)
- University of Duisburg (Germany)
- Shanghai Jiao Tong University (China)

Summary of Publications

- Journals: 14
- Books and chapters in books: 16
- Conferences: 48
- Editor of books: 2
- Reports: 17

Supervision of theses

- B.Eng.: 20
- M.Eng.: 15
- Ph.D. (completed): 0
- Ph.D. (in progress): 1

Professional activities

- Supervisor of Robotics specialization at the Faculty (2014 –)
- Member of Deans commission for programs of studies (2002 – 2011)

Selected publications

- Wojtyra M., Frączek J.: *Solvability of reactions in rigid multibody systems with redundant nonholonomic constraints*. Multibody System Dynamics, 30(2), 153-171, Springer, 2013
- Wojtyra M., Frączek J.: *Comparison of Selected Methods of Handling Redundant Constraints in Multibody Systems Simulations*. Journal of Computational and Nonlinear Dynamics, 8(2), 021007 (1–9), ASME, 2013
- Frączek J., Wojtyra M.: *On the unique solvability of a direct dynamics problem for mechanisms with redundant constraints and Coulomb friction in joints*. Mechanism and Machine Theory, 46(3), 312–334, Elsevier, 2011
- Wojtyra M.: *Joint reactions in rigid body mechanisms with dependent constraints*. Mechanism and Machine Theory, 44(12), 2265–2278, Elsevier, 2009
- Wojtyra M.: *Joint Reaction Forces in Multibody Systems with Redundant Constraints*. Multibody System Dynamics, 14(1), 23–46, Springer, 2005
- Wojtyra M.: *Multibody Simulation Model of Human Walking.* Mechanics Based Design of Structures and Machines, 31(3), 357–379, Marcel Dekker Inc., 2003

Janusz Frączek

Data of the new member: Prof. Janusz FRACZEK		
Position: new member		
	**E-mail:** jfraczek@meil.pw.edu.pl	**Address** Warsaw University of Technology, Faculty of Power and Aeronautical Engineering 00-665 Warsaw, Nowowiejska 24, Poland

Janusz FRĄCZEK

Address

Warsaw University of Technology,
Faculty of Power and Aeronautical Engineering
00-665 Warsaw, Nowowiejska 24, Poland
jfraczek@meil.pw.edu.pl

Current position

Professor, Head of Division of Theory of Machines and Robots on FPAE

Education

Warsaw Univ.of Technology, Poland, Faculty of Power and Aeronautical Engineering, Applied Mechanics , M.Eng. 1982
University of Warsaw, Poland, Faculty of Mathematics, Informatics, and Mechanics, Theoretical Mathematics, M.Sc Math.1984
Warsaw Univ.of Technology, Poland, Automatics and Robotics, Ph.D. 1989
Warsaw Univ.of Technology, Poland, Automatics and Robotics, Habilitation 2003

Teaching activities

Teaching courses include Theory of Machines and Mechanisms, Design of Experiment, Fundamentals of Robotics, Computer Networks, Theory of Manipulators, Dynamics of Rigid Multibody Systems, Dynamics of Flexible Multibody Systems, Probabilistics in Technical Applications (in Polish and English)

Research interest

Computational algorithms for efficient modeling of kinematics (analysis and synthesis) and dynamics of general (rigid and flexible) multibody systems (many of the developed algorithms concern robots, manipulators and walking machines kinematics and dynamics including contact forces, flexibility and friction modeling), theory of experiment, theory of machines and mechanisms, robot calibration methods, biomechanics, parallel and cluster computing.

Career

2008 - Head of Division on Theory of Machines and Robots (2008 -)
2012 - Full Professor
2006 - 2012 Associate Professor
1989 - 2006 Assistant Professor

Research stays: in Carleton University (Ottawa, Canada), National Technical University of Athens (Athens, Greece), University of Duisburg (Germany), Shanghai Jiao Tong University (China), Keio University (Japan)

Summary of Publications:

Journals (in majority international): 28
Books and chapters in books: 22
Conferences (in majority international): 92
Editor of books and special issues: 3
Reports and others 10

Data of the new member: Prof. Assylbek Jomartov
Position: new member

Position: new member		
Photo 	**E-mail: legsert@mail.ru** **Web: www.immash.ucoz.kz**	**Address** **Country ISD Code: 7** **Tel: +7 727 2723 426** **Fax: +7 727 2726 270** **Institute of Mechanics and Mechanical Engineering,** **Almaty, Kazakhstan** **Kurmangazy str. 29** **Almaty, 050010** **KAZAKHSTAN**
short CV		

Photo

E-mail: legsert@mail.ru
Web: www.immash.ucoz.kz
Address
Country ISD Code: 7
Tel: +7 727 2723 426
Fax: +7 727 2726 270
Institute of Mechanics and
Mechanical Engineering,
Almaty, Kazakhstan
Kurmangazy str. 29
Almaty, 050010
KAZAKHSTAN

short CV

Assylbek Jomartov was born in Almaty, Kazakhstan in 1961. He received the mechanical engineer degree in

1983 at the Kazakh State University of Almaty. At the same University he received a Candidate of Technical

Sciences degree in Theory of Machines and Mechanisms in 1989. Since 1998 he has been appointed Corresponding Member of the Engineering Academy of the Republic of Kazakhstan. From 1983- to 1996 he has

been Engineer, Researcher, Senior Researcher and Head of Laboratory of the Kazakh State University. From

1996-2005 - years he has been Director of Engineering Center "Tauari" of Engineering Academy of the Republic

of Kazakhstan. From 2005 to 2008 he has been Senior Researcher of Institute Mechanics and Mechanical

Engineering, Almaty.

Since 2008 he is Vice Director of Institute Mechanics and Mechanical Engineering, Almaty. In particular,

Jomartov has been team chair for several research projects: “Development of methods of analysis and synthesis

mechanisms of machines and robotic systems”, “Research of dynamics of the machine based on the timing

diagram of mechanisms" with funds by the Government of Kazakhstan. In May 2006 he has received the Degree
of Doctor of Technical Sciences in Theory of Machines and Mechanisms. His research interests cover of the
dynamics of automatic machines with elastic links with the timing diagram for the development of mechanisms
for the dynamic analysis of automatic machines. He is author or co-author of scientific work of more than one
hundreds, which have been presented at Conferences or published in national and international journals and 10
patents.

Main papers in peer-reviewed international journals and proceedings of conference (in english)

1. Jomartov A. Research of dynamics of of automatic machines with variable structure mechanisms based on their
vector timing diagram. Proceedings of "The ninth IFToMM international symposium on theory of machine and
mechanisms" Bucharest, Romania, 2005. pp. 203-204.
2.Jomartov A., Ualiyev G. Method of the dynamic analysis of mechanisms of variable structure with geometrical
connections. Proceedings of Conference "Advanced Problems in Mechanics , **St. Petersburg, Russia**, 2007. pp.
118-119
3. Jomartov A., Ualiyev G. Mechanisms dynamic of variable structure with geometric connections. Proceedings
of The 12th World Congress in Mechanism and Machine Science. Besanson, France, 2007.pp. 605-700
4. Jomartov A., Ualiyev G. Method of dynamic analysis of mechanisms of variable structure. Proceedings of 2-
nd European Conference on Mechanism Science EUCOMES 2008 Cassino, Italy, pp. 202-205
5. Jomartov A., Ualiyev G. Mathematical models of mechanisms with essentially elastic links. Proceedings of 2-nd European Conference on Mechanism Science EUCOMES 2008 Cassino, Italy, pp. 359-364
6. Jomartov A., Dynamics of multibody mechanical system jointly with cyclegramm. Proccedings of the 3-rd
International Conference "Power transmission 09", 2009, Chalkidiki, Greece, pp.391-394
7. Jomartov A., Dynamics of machine-automaton jointly with cyclegram. Proccedings of "World Congress on
Engineering 2010". London, UK, 30 June-2 July, 2010, pp. 1224-1229
8. Jomartov A., Multi-Objective Optimization Of Cyclogram Mechanisms Machine-Automaton. Proccedings of

"World Congress on Engineering 2011". London, UK, 6 July-8 July, 2011, pp. 1624-1630
9. Jomartov A., Device for Automatic Removal of Faulty Weft of Russian Projectile Loom STB. Proccedings of
«The Second IFToMM ASIAN Conference on Mechanism and Machine Science», Japon, Tokyo, 2012, pp. 30-34
10. Jomartov A., Joldasbekov S., Dynamic of machine-automaton on base of timing diagram. Proccedings of
«15th ITI Symposium», Germany, Dresden, 2012, pp. 50-54
11. Jomartov A., Research of Dynamics Picking Mechanism of Sulzer Projectile Loom. Proccedings of ICME
2013: International Conference on Mechanical Engineering,Paris, France, June 27-28, 2013, pp.1991-1996
12. Jomartov A., Joldasbekov S., Temirbekov E., Dynamic vibration of class IV mechanism. Proccedings of 3rd
IFToMM International Symposium on Robotics and Mechatronics, 2 – 4 October 2013, Singapore, pp. 15-20
13. Jomartov A., Joldasbekov S., Ivanov K., Functional Properties of Stepless Gear Adaptive Transmissions.
International Scientific Journal "PROBLEMS OF APPLIED MECHANICS", #2, 2013, pp. 13-21
14. Jomartov A., Joldasbekov S., Temirbekov E., Elastic Vibrations in Mechanism of class IV. International
Scientific Journal "PROBLEMS OF APPLIED MECHANICS", #2, 2013 C21-28
15. Jomartov A. Vector model of the timing diagram of automatic machine // Mech. Sci. 2013, No 4, pp. 391–
396, (www.mech-sci.net/4/391/2013/ doi:10.5194/ms-4-391-2013)
16. Jomartov A., S. Joldasbekov, and Y. Temirbekov Connection between Parameters of Timing Diagram of
Automatic Machine and Equations Movements of Mechanisms // JMMM 2014 Vol.2(2): pp 117-120 (doi:
10.7763/IJMMM.2014.V2.112)

TC Robotics and Mechatronics
Brasil (1)

Data of the new member: Prof Daniel Martins
Position: new member

E-mail: daniel.martins@ufsc.br
Web: www.robotica.ufsc.br
Country ISD Code: obligatory
Tel: +55-48-96172663
Fax: not obligatory

Address
Depto de Engenharia Mecanica
Univ Federal de Santa Catarina
88040-900 Florianopolis SC BRAZIL
Institution name:
Universidade Federal de Santa Catarina
Postal code, city:88040-900
Florianopolis
COUNTRY: BRAZIL

Short CV

Daniel Martins holds a degree in Mechanical Engineering from Federal University of Santa Catarina (1992), MSc (1993) and Dr Eng (2002) in Mechanical Engineering from Federal University of Santa Catarina. He was Visiting Professor at the Univer-
sity Eduardo Mondlane in Maputo, Mozambique under an agreement among Germany-Brazil and Mozambique (UFSC-GTZ-EMU) in 1994-1995. He was also Visiting Scholar at the University of Melbourne in 1999-2000 and King's College of London 2011-2012. He was associate professor at the Federal University of Paraná and currently is professor of the Department of Mechanical Engineering, Federal University of Santa Catarina working on Mechanical Engineering and Automation, with emphasis on Mechanism Design and Robotics.

France (1)

Data of the new member: Prof., Dr., Eng. **ARAKELYAN / ARAKELIAN**

Position: *Professor in the INSA of Rennes / Researcher in the IRCCyN (Nantes)*

E-mails: vigen.arakelyan@insa-rennes.fr
vigen.arakelyan@irccyn.ec-nantes.fr

Web: www.irccyn.ec-nantes.fr/~arakelya/

Country ISD Code: 33
Tel: +33(0)681277834
Fax: +33(0)223238726

Address :
Institution name: INSA
Postal code, city: F – 35708 Rennes Cedex 7,
Street: 20 Avenue des Buttes de Coësmes
CS 70839
COUNTRY: FRANCE

Short CV

Since joining Department Mechanical and Control Systems Engineering at the National Institute of Applied Sciences in 2002, Professor Arakelian has taught kinematics and dynamics of mechanisms, mechanical systems and Robotics. His other professional experience includes expert consultation on complex mechanical systems. High quality expert help in innovation, design and engineering is based on his research knowledge and more than years of industrial experience in senior positions.

RESEARCH INTERESTS

- Design of mechanical systems
- Robot Hands and the Mechanics of Manipulation
- Industrial Robotic Innovation
- Dynamic balancing and synthesis of high-speed machines
- Numerical simulation and optimization of mechanisms using ADAMS software

RESEARCH RESULTS: more than 150 scientific publications, two books entitled «Structure and kinematics of mechanisms» HERMES/1997 and «Balancing of Linkages and Robot Manipulators» SPRINGER, 2014 (in press)

21 PATENTS : Parallel robots, Mechanisms, Robotic Technological Complex, Presses, Gripping Devices, Manipulators, Lath, Devices for blow-moulding or stretch blow-moulding of thermoplastic material containers.

SELECTED PEER REVIEWED JOURNAL PAPERS

- S. Briot, V. Glazunov and V. Arakelian. Investigation on the effort transmission in planar parallel manipulators, Transactions of the ASME. Journal of Mechanisms and Robotics, v. 5(1) (2013).
- S. Briot, V. Arakelian, J.P. Le Baron. Shaking force minimization of high-speed robots via centre of mass acceleration control. Mechanism and Machine Theory, v. 57, pp.1-12 (2012).
- S. Briot and V. Arakelian Complete shaking force and shaking moment balancing of in-line four-bar linkages by adding a class-two RRR or RRP Assur group. Mechanism and Machine Theory, v. 57, pp.13-26 (2012).
- V. Arakelian, S. Sargsyan. On the design of serial manipulators with decoupled dynamics.

Mechatronics, v. 22(6), pp. 904-909 (2012).

- V. Glazunov, V. Arakelian, S. Briot, and G. Rashoyan. Speed and force criteria for the proximity to singularities of parallel structure manipulators. Journal of Machinery Manufacture and Reliability, Vol. 41, No. 3, pp. 194–199 (2012).
- S. Briot et V. Arakelian. On the Dynamic Properties of Flexible Parallel Manipulators in the Presence of Type 2 Singularities. Transactions of the ASME. Journal of Mechanisms and Robotics. v. 3, 031009 (8 pages), (2011).
- R. Djavakhyan, N. Makhsudyan, and V. Arakelian. Comparative analysis and synthesis of plane and spherical four-hinge mechanisms. Journal of Machinery Manufacture and Reliability, 40(5), pp. 423-429 (2011).
- V. Arakelian, J.-P. Le Baron and P. Mottu. Torque minimisation of the 2-DOF serial manipulators based on minimum energy consideration and optimum mass redistribution. Mechatronics, 21(1), pp. 310-314 (2011).

SELECTED CONFERENCE PROCEEDINGS

- V. Arakelian, M. Mkrtchyan. A New Design Concept of Self-Balanced Systems. Proceedings of the International Conference on Municipal Engineering, Czec Republic, Prague, 10-11 July (2014).
- V. Arakelian. Shakign force and shaking moment balancing in Robotics: a critical review. Proceedings of the 20th CISM-IFToMM Symposium on Robot Design, Dynamics, and Control (ROMANSY 2012). Russia, Moscow, 23–26 June (2014).
- V. Arakelian, S. Briot and J.P. Le Baron. Shaking Force Minimisation of Slider-Crank Mechanism via Optimal Motion Control, Proceedings of the 5th International Conference TAE'2013, September 3-6, 2013, Prague, Czech Republic (2013).
- M. Mkrtchyan, V. Arakelian, S. Verlinski, M. Arutyunyan. Design and study of a new parallel mircomanipulator with elastic joints, Proceedings of the 20th International Conference on Mechanical Engineering, 16-21 September 2013, Sevastopol, Ukraine (2013).
- S. Briot, V. Arakelian and J.P. Le Baron. Shaking force minimisation of high-speed robots via optimal trajectory planning. Proceedings of the 11th International Conference on the Theory of Machines and Mechanisms TMM-2012, Czech Republic, Liberec, 4-6 September, in the book "Advances in Mechanism Design" (Springer), pp. 159-166 (2012).
- Arakelian, S. Sargsyan and M. Harutyunyan. Friction torque compensation in the balanced leg orthosis for robotic rehabilitation. Proceedings of the 8th European Solid Mechanics Conference (ESMC 2012), Austria, Graz, 9-12 July (2012).
- S. Sargsyan, V. Arakelian and S. Briot. Robotic rehabilitation devices of human extremities: design concepts and functional particularities. Proceedings of the ASME 2012 11th Biennial Conference on Engineering Systems Design and Analysis (ESDA 2012) France, Nantes, 2–4 July (2012).
- D. Chablat, G. Moroz, V. Arakelian, S. Briot and P. Wenger. Solution regions in the parameter space of a 3-RRR decoupled robot for a prescribed workspace. Advances in Robot Kinematics (ARK 2012), Austria, Innsbruck, 24–28 June (2012).
- V. Arakelian, J.-P. Le Baron, N. Besnard, F. Lardeau. On the design of reconfigurable serial manipulators with decoupled dynamics. Proceedings of the 5th International Mechanical Engineering Forum (IMEF 2012), Czech Republic, Prague, June 20-22 (2012).
- S. Briot, V. Arakelian, D. Chablat and P. Wenger. Optimal force generation of 3-RRR decoupled planar robots for ensuring unlimited platform rotation. Proceedings of the 19th CISM-IFToMM Symposium on Robot Design, Dynamics, and Control (ROMANSY 2012). France, Paris, 12–14 June (2012).
- M. Harutyunyan, Y. Sarkissian, S. Sargsyan and V. Arakelyan. Conceptual design of rehabilitation devices with artificial muscles // Collection of transactions of XIX international scientific conference "Machine science and technosphere of XIX century". Donetsk-Sevastopol, v. 1, pp. 40 - 43 (2012).

Germany (2)

Data of the new member: Dr. Tobias BRUCKMANN

Position: **new member**

E-mail: tobias.bruckmann@uni-due.de
Web: https://www.uni-due.de/mechatronik/team/bruckmann.php
Country ISD Code: 49
Tel: +49 203 379-1908
Fax: +49 203 379-4494

Address
Institution name:
Chair for Mechatronics
University Duisburg-Essen
Postal code, city:
47057 Duisburg
Street:
Lotharstr. 1
COUNTRY:
Germany

SHORT CV

EDUCATION:

- **Doktor-Ingenieur Maschinenbau (Dr.-Ing.)**: University Duisburg-Essen, Faculty of Engineering, Dissertation "Auslegung und Betrieb redundanter paralleler Seilroboter", 2010
- **Diplom-Ingenieur Maschinenbau (Dipl.-Ing.)**: University Duisburg-Essen, Faculty of Engineering, Diplomarbeit "Erarbeitung eines Postprozessors für die Analyse räumlich verformbarer Mechanismen", 2004

PROFESSIONAL EXPERIENCE:

- 07/2010 – today **Senior Engineer** at Chair for Mechatronics, University Duisburg-Essen
- 01/2009 - 06/2010 **Head of Advanced Technology Development** at mercatronics GmbH, Duisburg, Germany
- 01/2005 - 06/2010 **Scientific Assistant** at the Chair for Mechatronics, University Duisburg-Essen, DFG-funded project "ARTIST" and INTERREG project "Mechatronik für KMU"

TEACHING EXPERIENCE

- Lecturer „**Robotics and Assistance Systems**" (Bachelor level), Rhine-Waal University of Applied Sciences, 2013 and 2014
- Lecturer **"Fahrzeugdynamik (Vehicle Dynamics)"**, (Master level), University Duisburg-Essen, since 2011
- Lecture "**Manipulatortechnik (Robotic Manipulators)**", (Master level), University Duisburg-Essen, assistant since 2006, lecturer since 2011
- Lecturer "**Mobile Roboter (Mobile Robots)**", (Master level), University Duisburg-Essen, 2010-2012
- Lecturer **"Robotik-Anwendungen (Robotic Applications)"**, (Master Level), University Duisburg-Essen, since 2013

AWARDS

- Award for outstanding success „Ingenieurwissenschaften", University Duisburg-Essen, 2011
- „Duisburger Sparkassenpreis", Stadtsparkasse Duisburg, 2011

MISCELLANEOUS

- Reviewer of IEEE/ASME Transactions on Mechatronics
- Reviewer of IEEE Transactions on Automation Science and Engineering
- Reviewer of IEEE Transactions on Robotics
- Reviewer of Robotica (Cambridge Journals)
- Reviewer of Meccanica (Springer Publishing)
- Reviewer of Journal of Mechanical Engineering Science (SAGE Publications)
- Reviewer of Mechanism and Machine Theory (Elsevier)
- Reviewer of Adanced Mathematical Modelling (Elsevier)
- Reviewer of International Journal of Advanced Robotic Systems (InTech Open)
- Organizer & General Chair of "First International Conference on Cable-Driven Parallel Robots", September 2-4, 2012, Stuttgart, Germany (under IFToMM patronage, together with Dr. Andreas Pott, Fraunhofer IPA)
- Organizer & General Chair of "Second International Conference on Cable-Driven Parallel Robots" (CableCon2014), August 24-27, 2014, Duisburg, Germany (IFToMM patronage requested, together with Dr. Andreas Pott, Fraunhofer IPA) - PLANNED
- Organizer of workshop "Wire-Driven Parallel Robots" at European Robotic Forum 2012, Odense (together with Dr. Jean-Pierre Merlet (INRIA, France) and Dr. Andreas Pott (Fraunhofer IPA)
- Organizer of workshop "Control and Application of Cable-Driven Parallel Robots" at European Robotic Forum 2013, Lyon (together with Dr. Jean-Pierre Merlet (INRIA, France) and Dr. Andreas Pott (Fraunhofer IPA)
- Member of "Verein Deutscher Ingenieure" (VDI)
- Member of VDI/VDI-GMA Fachausschuss 4.15 „Mechatronik"
- Member of the "Global Young Faculty" (Universitätsallianz Metropole Ruhr/Stiftung Mercator) 2013-2015
- Invited talks:
  - "Cable Robot Applications and Research Trends" am CNU-RRI, Chonnam National University, Korea, July 7, 2013
  - „Anwendung paralleler Seilroboter" at IGM-Seminar "Kinematik, Dynamik und Mechatronik in der Bewegungstechnik", Institut für Getriebetechnik und Maschinendynamik, July 11, 2012, Aachen and „Mechatroniktag 2012", Westfälische Hochschule, November 8, 2012
  - "Application Examples of Wire Robots" at ACCM Workshop on „Multibody System Dynamics, Robotics and Control", September 26-27, 2011, Linz, Austria

Data of the new member: Prof. Torsten Bertram

Position: **new member**

E-mail: torsten.bertram@tu-dortmund.de
Web: http://www.rst.e-technik.tu-dortmund.de/
Country ISD Code: 49
Tel: (+49) 231755-2760
Fax: (+49) 231755-2752

Address
Prof. Dr. Prof. h.c. Dr. h.c. Torsten Bertram
Institution name:
Institute of Control Theory and Systems Engineering
TU Dortmund
Postal code, city:
44227 Dortmund
Street:
Otto-Hahn-Str. 4
COUNTRY:
Germany

SHORT CV

Prof. Bertram is a leading senior researcher in the area of robotics, mechatronics and automotive systems. He is the head of the Institute of Control Theory and Systems Engineering at the Faculty of Electrical Engineering and Information Technology of the Technische Universitaet Dortmund. His robot projects include learning visual navigation behaviors through demonstration, visual servoing, symbolic robot modeling toolbox, modeling and control of lightweight multi-link flexible robot arms and mobile robots. Prof. Bertram has received the Professor Honoris Causa from Platov South-Russian State Polytechnic University (NPI) (Nowotscherkassk, Russian Federation) and the Doctor Honoris Causa from the Southwest State University (Kursk, Russian Federation). He is the author of a great number of journal and conference papers, and has carried out a large number of research and industry projects in the area of robotics and automotive systems.

Greece (1)

Data of the new member: Dr Vasileios C. MOULIANITIS

Position: New member

Passport size photograph

E-mail: moulianitis@syros.aegean.gr
Web:
Country ISD Code: +30
Tel: 6936932800
Fax: -

Address
University of the Aegean
Department of Product and Systems Design
Ermoupolis, Syros
GR-84100, Greece

Short CV

Education

1991-96	**Mechanical Engineering Diploma** Department of Mechanical Engineering and Aeronautics, University of Patras.
1996-2004	**Ph.D. Diploma** Department of Mechanical Engineering and Aeronautics, University of Patras. Title: "**Modeling of the conceptual design phase based in Artificial Intelligence techniques- Application to Mechatronics Design**".

Current Academic Occupation

Oct. 2005-30 June 2012	Adjunct Lecturer in the Dept. of Product and Systems Design Engineering, University of the Aegean.
01 Oct 2012 - present	Member of The Robotics Group, Mechanical Engineering And Aeronautics Dept, University of Patras under the supervision of Prof. N.A. Aspragathos.

Research Activity

My research interests are focused in the Theory and Methodologies of Design using Artificial Intelligence techniques, Mechatronics and Robotics and in the computational intelligent control methods. More specific:

- Model development of conceptual mechatronics design.
- Metamorphic manipulators design.
- Workcell design with metamorphic manipulators.
- Design of controllers for lower limp rehabilitation.
- Gripper design for fruit harvesting.

Artificial intelligence techniques such as Fuzzy Logic and Genetic Algorithms as well as multi-objective optimization have been used towards the solution of the aforementioned problems.

Papers

- 12 papers in international journals.
- 4 Chapter Books.
- Editor of a Special issue in Mechatronics.
- 34 conference papers in National and International Conferences and Workshops.

Reviewer

- ASME Journal of Mechanical Design.
- Mechatronics
- IPSI BgD Transactions on Internet Research
- Information Sciences
- WSEAS Information sciences and applications.
- Journal of Systems and Control Engineering.
- European Control Conference '07
- 1st and 2nd Hellenic Robotics Conference.
- CGI 2013
- MED 2013

Organization Committees

- Member of the organizing committee of the 1st and 2nd Hellenic Robotics Conference.
- Member of the organizing committee of the Summer School of the University of the Aegean "Advanced technologies in Product Design, Engineering and Manufacturing " that held in Syros island, Greece 1st - 11th July, 2013.

Research Projects

I am participating in the submission and working in International and National funded research projects since 1997. I was the major researcher in two national and one international project.

Research Project Evaluation

- Graduate Updating Knowledge Program (ΠΕΓΑ) of Ministry of Education, Lifelong Learning and Religious Affairs, Greece (2012).

Memberships

- Member of Technical Chamber of Greece
- Member of Hellenic Society of Mechanical-Electrical Engineers.

Italy (3)

Data of the new member: Prof. Giuseppe QUAGLIA

TC for Robotics and Mechatronics
Position: observer

Passport size photograph

E-mail:
giuseppe.quaglia@polito.it
Web:
Country ISD Code: +39
Tel: 334 62 144 80
Fax: 011 090 6999

Address

Institution name: Politecnico di Torino
Postal code, city: 10129, Torino
Street: Corso duca degli Abruzzi 24
COUNTRY:Italy

Short CV

General infrormation

Name: Giuseppe
Surname: Quaglia
Email: giuseppe.quaglia@polito.it
Gender: Male
Date of birth: 1964-01-27
Nationality: ITALIAN
Corporation : Politecnico di Torino
Role: Associate Professor
Department name: Department of Mechanical and Aerospace Engineering

EDUCATION

Prof. Giuseppe Quaglia received his graduation in Mechanical Engineering form the Politecnico di Torino in 1989, 110/110 cum laude, and the PhD in “Applied Mechanics, Mechanical System and Structures” in 1993.

PROFESSIONAL EXPERIENCES

Since 1994 Prof. Giuseppe Quaglia has been working at the Department of Mechanics of the Politecnico di Torino, first as Researcher and then since 2003 as Associate Professor in Applied Mechanics. Currently he is a professor in the Department of Mechanical and Aerospace Engineering of the Politecnico di Torino.

Teaching Activity (Politecnico di Torino):

Prof. Quaglia has been lecturer of the following courses:

- Elements of Applied Mechanics
- Fundamental of Applied Mechanics
- Applied Mechanics
- Mechanics of Machines

- Fluid Automation
- Mechatronics
- Mechanics of Automatic Machines
- Sensing of Mechanical System
- Bases de Mecanique (Ital.-Franchise)

He is author of text-books on Mechatronics.

Research Activity:
His main fields of research are:
- mechatronics systems for disable people and healthcare
- Mechanism and machine design;
- Mobile robots;
- Mechatronics;
- Robotics;
- Vehicle Systems Dynamic
- Industrial Automation
- Applied mechanics.

His research work has leaded not only to theoretical analyses or model and software for system simulation but often to the realization of innovative prototypes (wheelchair, systems for disable people, actuators and pneumatic systems, vehicle suspensions, wrists, mobile robots, steer by wire systems) and some of them lead to national or international patents.
He is author of about 100 papers/patents, books (Smart textile for medicine and healthcare, Mobile Robots - Current Trends).
Prof. Quaglia is Editorial Board Member or reviewer of international Journal such as The Open Transportation Journal, Mechanical Systems and Signal Processing, Journal of Vibration and Acoustics, Journal of Sound and Vibration.
Prof. Quaglia has developed and/or coordinated numerous researches between the Polytechnic of Turin and private Corporations such as CNR, COMAU, FIAT FERROVIARIA S.p.A, DAYCO, CORCOS S.p.A, TEXA A.T., RANCILIO, C.F. GOMMA, SKF, TESEO, MTM-BRC, CARMEC.
He has moreover participated to various researches financed from the MURST/MIUR and from Regione Piemonte.

Organizational Skills:
Prof. Quaglia is involved in many institutional activities with Politecnico di Torino: he is delegate of the Rector for organizational and logistical aspects of the teaching, vice-dean of the First Faculty of Engineering for the Logistic, member of the didactic management commission of the athenaeum, member of the Department Board, member of the PhD council, member of the Accademic Senate. He was also member of the Department council, member of the interdepartmental council (CESAL).

Data of the new member: Dr. Giulio Reina

Position: observer, TC for Robotics and Mechatronics

Passport size photograph

E-mail:
giulio.reina@unisalento.it
Web: www.giulio.reina.unile.it
Country ISD Code: +39
Tel: +39 0832 297814
Fax: +39 0832 297814

Address
Institution name: University of Salento
Postal code, city: 73100, Lecce
Street: Via Arnesano
COUNTRY: Italy

Short CV

Giulio Reina received the *Laurea* degree and the *Research Doctorate* degree from the Politecnico of Bari, Italy in 2000 and 2004 respectively, both in Mechanical Engineering. From 2002 to 2003, he worked at the University of Michigan Mobile Robotics Laboratory as a Visiting Scholar. In 2007, he was awarded a Japanese Society for Promotion of Science (JSPS) fellowship for a one-year research at the Space Robotics Laboratory of Tohoku University, Sendai, Japan. In 2010, Dr. Reina was also selected to receive an Endeavour Research Fellowship at the Australian Centre for Field Robotics of the University of Sydney, Australia. Since 2011, Dr. Reina is involved as local coordinator of the University of Salento's research unit in the European project Ambient Awareness for Autonomous Agricultural Vehicles (QUAD-AV), funded by the ERA-NET ICT-AGRI action (7FP). The project focuses on the development of sensors and sensor processing methods to provide an autonomous agricultural vehicle with ambient awareness. Currently, he is an Assistant Professor in Applied Mechanics with the Department of Engineering for Innovation of the University of Salento, Lecce, Italy. His research interests include mobile robotics for planetary exploration, mobility and localization on rough-terrain, advanced perception systems, agricultural robotics, and passenger vehicle technology.

Refereed Journal Publications (Selected)

[1] Milella A., **Reina G.**, Underwood J., "*3D reconstruction and classification of natural environments by an autonomous vehicle using multi-baseline stereo*", Journal of Field Robotics, in press 2014.

[2] Milella A., **Reina G.**, "*3D reconstruction and classification of natural environments by an autonomous vehicle using multi-baseline stereo*", Intelligent Service Robotics, Vol. 7(2), pp. 79-92, 2014. DOI: 10.1007/s11370-014-0146-x. ISSN: 1861-2776.

[3] Milella A., **Reina G.**, Underwood J., B. Douillard, "*Visual ground segmentation by radar supervision*", Robotics and Autonomous Systems, Vol. 62(5), pp. 696-706, 2014. DOI: 10.1016/j.robot.2012.10.001. ISSN: 0921-8890.

[4] **Reina G.**, and Foglia M., "*On the Mobility of All-terrain Rovers*", Industrial Robot: an International Journal, Vol. 40, No. 2, pp. 121-131, 2013. DOI: 10.1108/01439911311297720.

[5] **Reina G.**, "*Cross-Coupled Control for All-Terrain Rovers*", Sensors, 13(1), 785-800, 2013.

[6] **Reina G.**, Milella A., and Underwood J., "*Self-learning classification of radar features for scene understanding*," Robotics and Autonomous Systems, Vol. 60, No. 11, pp.1377-1388, 2012. DOI: 10.1016/j.robot.2012.03.002.

[7] **Reina G.** and Milella A., "*Towards autonomous agriculture: automatic ground detection using trinocular stereovision*", Sensors, Vol. 12, No. 9, pp.12405-12423, 2012. DOI: 10.3390/s120912405.

[8] **Reina G.**, Underwood J., Brooker G., and Durrant-Whyte H., "*Radar-based Perception for Autonomous Outdoor Vehicles*", Journal of Field Robotics, Vol. 28, No. 6, pp. 894-913, 2011. DOI: 10.1002/rob.20393.

[9] **Reina G.**, Milella A., "*FLane: An Adaptive Fuzzy Logic Lane Tracking System for Driver Assistance*", Journal of Dynamic Systems, Measurement, and Control, Transactions of the ASME, Vol. 33, No.2, pp. 021002 (11 pages), March 2011. DOI: 10.1115/1.4003091.

[10] **Reina G.**, Ishigami G., Nagatani K. and Yoshida K., "*Odometry Correction Using Visual Slip-Angle Estimation for Planetary Exploration Rovers*", Advanced Robotics, Vol. 24, No. 3, pp. 359-385, 2010.

[11] Rohmer E., **Reina G.**, and Yoshida K., "Dynamic Simulation-Based Action Planner for a Reconfigurable Hybrid Leg-Wheel Planetary Exploration Rover", Advanced Robotics, Vol. 24, No. 8-9, pp. 1219-1238, 2010.

[12] Rohmer E., Collins M., **Reina G.**, Yoshida K., "*A Novel Teleoperated Hybrid Wheel-Limb Hexapod for Lunar Craters' Exploration*", Transactions of the Japan Society for Aeronautical and Space Sciences, Space Technology, Vol. 7, pp. 71-76, 2009, ISSN: 1347-3840, DOI: 10.2322/tstj.7.Tk_71.

[13] Distante C., Indiveri G., **Reina G.**, "*An Application of Mobile Robotics for Olfactory Monitoring of Hazardous Industrial Sites*," Industrial Robot: an International Journal, Vol. 36, No. 1, January 2009, pp. 51-59.

[14] Foglia M., **Reina G.**, "*Locomotion Performance Evaluation of an All-Terrain Rover*," International Journal of Mechanics and Control, Vol. 09, No. 02, 2008, pp. 13-25.

[15] **Reina G.**, Yoshida K. "*Slip Angle Estimation for Lunar and Planetary Robots*," International Journal of Intelligent Control and Systems, Special Issue on Field Robotics and Intelligent Systems, Vol. 13, No. 1, March 2008, pp. 15-24.

[16] Milella A., **Reina G.**, Siegwart R., "*Computer Vision Methods for Improved Mobile Robot State Estimation in Challenging Terrains*," Journal of Multimedia, Vol. 1, No. 7, November/December 2006, pp. 49-61.

[17] Ojeda L., **Reina G.**, D. Cruz D., Borenstein J., "*The FLEXnav Precision Dead-reckoning Systems*," International Journal of Vehicle Autonomous Systems (IJVAS), Special issue on Computational Intelligence and its Applications to Mobile Robots and Autonomous Systems, Vol. 4, Nos. 2-4, December 2006, pp. 173-195.

[18] Foglia M., **Reina G.**, "*Agricultural Robot for Radicchio Harvesting*", Journal of Field Robotics, Special Issue on Field and Service Robotics, Vol. 23, No. 6/7, June/July 2006, pp.363-377.

[19] **Reina G.**, Ojeda L., Milella A., and Borenstein J., "*Wheel Slippage and Sinkage Detection for Planetary Rovers*," Special Issue on Biomimetics and Novel Aspects in Robotics, IEEE/ASME Transactions on Mechatronics, Vol. 11, No. 2, April 2006, pp. 185-195.

[20] Ojeda L., Cruz D., **Reina G.**, and Borenstein J., "*Current-based Slippage Detection and Odometry Correction for Mobile Robots and Planetary Rovers*," IEEE Transactions on Robotics, Vol. 22, No. 2, April 2006, pp. 366-378.

[21] **Reina G.**, Foglia M., Milella A., Gentile A., "*Visual and Tactile-Based Terrain Analysis Using a Cylindrical Mobile Robot*," Special Issue on Novel Robotics and Control, Journal of Dynamic Systems, Measurement, and Control, Transactions of the ASME, Vol. 128, No.1, March 2006, pp. 165-170.

Data of the new member: Prof. ROSARIO Sinatra

Position: *please select* **new observer**

E-mail: rsinatra@dii.unict.it
Web: http://www.diim.unict.it/users/rsinatra/
Country ISD Code: I
Tel: +39 095 7382401
Fax: + 39 095 337994

Address Università di Catania

Institution name: Dipartimento di Ingegneria Industriale
Postal code, city: 95125
Street: Viale A. Doria 6, Catania
COUNTRY: Italy

ROSARIO SINATRA, born in Catania on January 31th, 1961, researcher in Applied Mechanics at University of Catania, associate professor from 1998 in Applied Mechanics University of Messina and full professor from 2010 in Applied Mechanics University of Catania.

From 1990, he teaches in the fields of Kinematics and Dynamic analysis of manipulators, dynamics of non-linear systems, mechatronics, Modelling of mechanical systems. He is author of more then 110 papers, including those published on specialised journals, and presented at international conferences.
The main tasks are:

- Kinematics and Dynamics of Robotic Mechanical Systems;
- Static and balancing of mechanical systems;
- Kinematics, dynamics and design of climbing e hybrid rolling robot;
- Undewater robotics and sensors;
- Mechatronics.

Revisor/editorial board by many international journal.

Is scientific leader in many international research projects.

Kazakhstan (1)

Prof. Zhumadil Baigunchekov

new member

E-mail: bzh47@mail.ru
Web: www.kbtu.kz
Country ISD Code: +7
Tel: +7 727 2727572
Fax: +7 727 2723368

Address 65 Al Farabi, apt. 69, 050040 Almaty, Kazakhstan

Institution name: Kazakh British Technical University
Postal code, city: 050000 Almaty
Street: 59 Tole bi
Country: KAZAKHSTAN

CURRICULUM VITAE

Current Appoinment

Professor: Mechanical Engineering
Head of Laboratory Mechatronics and Robotics
Kazakh-British Technical University

Education, Scientific and Academician Degrees

2003: Academician of Kazakh National Academy of Sciences
1993: Academician of Kazakh Engineering Academy
1985: Doctor of Technical Sciences
1977: Candidate of Technical Sciences (PhD)
1971: Mechanical Engineer Diploma (Kazakh National Technical University)

Main topics

- Mechanics and Control of Parallel Robots
- Computational Kinematics and Dynamics
- Analysis and Synthesis of Mechanisms

Publications and Patents

More than 400 scientific publications on the analysis and synthesis of planar and spatial mechanisms and robot manipulators, computational kinematics and dynamics. 70 patents on the new constructions of mechanisms and manipulators.

Professional Activities

2003: Head of Laboratory Mechatronics and Robotics
1996 - 1998: Visiting Professor at Middlesex University (London, UK)
1987: Professor on Mechanical Engineering

Academic Activities

Thought Courses

- Theoretical and Applied Mechanics
- Theory of Machines and Mechanisms
- Mechanics of Robotic Systems
- Strength of Materials

Postgraduate Supervision

Supervised 29 postgraduates: 10 of them have received Doctor of Technical Sciences and 19 have received Candidate of Technical Sciences (PhD). 10 of them are full professors.

Poland (1)

Data of the new member:

Associate Professor
Marek WOJTYRA

Position: **new member**

E-mail:
mwojtyra@meil.pw.edu.pl

Address
Warsaw University of Technology
Institute of Aeronautics and Applied Mechanics
Nowowiejska 24
00-665 Warsaw
POLAND

Marek WOJTYRA

Address
Warsaw University of Technology
Faculty of Power and Aeronautical Engineering
Institute of Aeronautics and Applied Mechanics
Nowowiejska 24, 00-665 Warsaw, Poland
mwojtyra@meil.pw.edu.pl

Current position
Associate Professor

Education
2013 D.Sc. (habilitation) in automation and robotics at Warsaw University of Technology
2000 Ph.D. in mechanical engineering (biomechanics) at Warsaw University of Technology
1992 M. Eng. in automation and robotics at Warsaw University of Technology

Teaching activities
- Basics of Computer Methods in Engineering
- Theory of Machines and Mechanisms
- Fundamentals of Robotics
- Dynamics of Multibody Systems

Research interest

- Computer-aided modelling of kinematics and dynamics of multibody systems
- Robotics
- Theory of machines and mechanisms
- Biomechanics

Career

2013 –	Associate Professor
2000 – 2013	Assistant Professor
1992 – 2000	Research Assistant

Research stays

- National Technical University of Athens (Greece)
- University of Duisburg (Germany)
- Shanghai Jiao Tong University (China)

Summary of Publications

- Journals: 14
- Books and chapters in books: 16
- Conferences: 48
- Editor of books: 2
- Reports: 17

Supervision of theses

- B.Eng.: 20
- M.Eng.: 15
- Ph.D. (completed): 0
- Ph.D. (in progress): 1

Professional activities

- Supervisor of Robotics specialization at the Faculty (2014 –)
- Member of Deans commission for programs of studies (2002 – 2011)

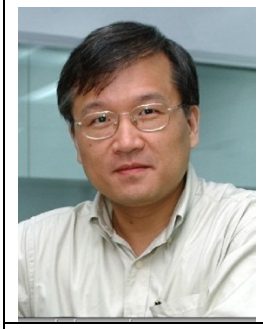
Selected publications

- Wojtyra M., Frączek J.: *Solvability of reactions in rigid multibody systems with redundant nonholonomic constraints*. Multibody System Dynamics, 30(2), 153-171, Springer, 2013
- Wojtyra M., Frączek J.: *Comparison of Selected Methods of Handling Redundant Constraints in Multibody Systems Simulations*. Journal of Computational and Nonlinear Dynamics, 8(2), 021007 (1–9), ASME, 2013
- Frączek J., Wojtyra M.: *On the unique solvability of a direct dynamics problem for mechanisms with redundant constraints and Coulomb friction in joints*. Mechanism and Machine Theory, 46(3), 312–334, Elsevier, 2011
- Wojtyra M.: *Joint reactions in rigid body mechanisms with dependent constraints*. Mechanism and Machine Theory, 44(12), 2265–2278, Elsevier, 2009
- Wojtyra M.: *Joint Reaction Forces in Multibody Systems with Redundant Constraints*. Multibody System Dynamics, 14(1), 23–46, Springer, 2005
- Wojtyra M.: *Multibody Simulation Model of Human Walking.* Mechanics Based Design of Structures and Machines, 31(3), 357–379, Marcel Dekker Inc., 2003

Singapore (2)

Data of the new member: Dr. Wei LIN

Position: *please select* **new member**



E-mail: wlin@SIMTech.a-star.edu.sg
Web:
Country ISD Code: 65
Tel: 6793 8254
Fax:

Address: 71 Nanyang Drive,
Singapore Institute of Manfacturing Technology
Postal code, city: Singapore 638075
Street:
COUNTRY:Singapore

Short CV

Dr. Lin Wei is a Senior Scientist with the Mechatronics Group in SIMTech. He graduated from the University College London, UK with a mechanical Engineering and has a PhD degree in Mechanical Engineering from University of Florida, USA.

Currently he holds the position of Group Manager of the Mechatronics Group in SIMTech. He is the Chair of Member Organisation Singapore, IFToMM, member of Technical Committee member of Linkage and mechanical Controls, IFToMM, and member of IEEE Singapore Chapter of Robotics and Automation Section Committee.

His research interests are parallel mechanisms and manipulators, Multi-scale (Macro, Micro, and Nano) manufacturing system control and sensing, and industrail robotics.

INDUSTRIAL ACTIVITIES

Carried out more than 40 contracted industrial projects and research projects since 1992 in the areas of robotic automation, precision machine development and CAD/CAE. As a project leader, he have worked with clients including Rolls-Royce, Boeing, Globalfoundries, Makino, Possehl, STAero, Keppel FELS, Fuji Hunt, Instron, and more.

PROFESSIONAL SERVICES

- **Academic / Technical Committees**
  1. Member, IEEE Singapore chapter, Robotics and Automation Section Committee, January 2013
  2. Chairman, Interview Panel for A*STAR Scholars, February 2012
  3. Technical Lead, Advanced Remanufacturing & Technical Centre (ARTC) Singapore – Product Verification, November 2011 – April 2012
  4. Member, WorldSkills Singapore Technical Working Group on Mechatronics (Aug 2011 – July 2012)
  5. Panel member, Proposal reviewer, A*STAR SERC Public Sector Funding, December 2011
  6. Chairman, Singapore National Committee, IFToMM, (August 2003 – Present)
  7. Technical Committee member of Linkages and Mechanical Controls, International Federation for the Promotion of Mechanism and Machine Science (IFToMM)

8. Member, Technical Committee for Linkages and Mechanical Control, IFToMM (July 2011 – Present)
9. Council Member, Singapore Industrial Automation Association (SIAA); (May 2003 – May 2005)

- **International Conference Committees**
  1. International Steering Committee, 2015 IFToMM World Congress, Oct 13 – Oct 15, Taipei, Taiwan
  2. International Scientific Committee, 3rd IFToMM Asian Conference in Mechanism and Machine Science. Tianjin China, Oct 13 – Jul, 2014
  3. 5th Int Symposium on NDT in Aerospace – Nov 13
  4. Organised sessions Chair, 3rd IFToMM International Symposium on Robotics and Mechatronics (IRSM 2013), October 2-4, 2013, Singapore
  5. International Steering Committee, 2nd IFToMM Asia Conference on Mechanism and Machine Science (7-10 Nov 2012), Tokyo, Japan
  6. International Conference on Precision Engineering (ICoPE 2010)
  7. 4th Asian Conference on Robotics and its Applications (ACRA 2001)
  8. International Conference on Precision Engineering (ICPE95)
  9. 26th International Symposium on Industrial Robotics (26th ISIR, 1995)
  10. National Symposium on Manufacturing Technology, Singapore (1993)

PATENTS

1. Decoupled Planar Positioning System - US7271879
2. Method and Apparatus for defects detection in composite structure - PCT/SG2011/000196
3. Array Probe for Sonic Non-Destructive Testing -, SG201009706-1

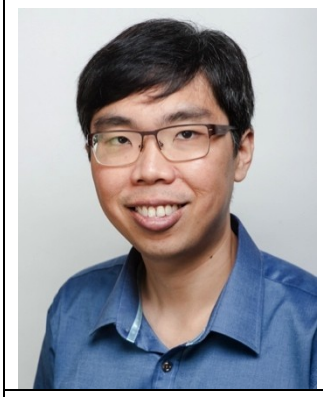
AWARDS

- A*STAR Borderless Award 2013
- MTI Borderless Award 2013
- Flight International Aerospace Industry Award – Maintenance and Modification Category; 2002
- Finalist for the best paper award, 2009 IEEE International Conference on Robotics and Biomimetics (ROBIO 2009)
- Awarded the most “Outstanding Paper” in the 1999 volume of the journal Editor and Editorial team, MCB University Press, UK

Data of the new member: Asst Prof. Soh Gim Song

Position: *please select* **new member/~~observer~~**

Passport size photograph	**E-mail:** sohgimsong@stud.edu.sg **Web:** epd.stud.edu.sg/faculty/soh-gim-song **Country ISD Code:** 65 **Tel:** 63036679 **Fax:** 67795161	**Address:** 20 Dover Drive Singapore 138682 **Institution name:** Singapore University of Technology and Design **Postal code, city:** 138682, Singapore **Street:** 20 Dover Drive **COUNTRY:** Singapore



Short CV

EDUCATION

12/06 - 12/08 University of California Irvine, Ph.D. Mechanical Engineering.
09/04 - 12/06 University of California Irvine, M.S. Mechanical Engineering.
07/99 - 02/03 Nanyang Technological University, B. Eng. Mechanical and Production Engineering (Mechatronics).

TEACHING

09/13 - 12/13 30.001 Structures and Materials, Singapore of University Technology and Design.
09/12 - 12/12 3.007 Introduction to Design, Singapore of University Technology and Design.
02/12 - 05/12 2.007 Design and Manufacturing I, Massachusetts Institute of Technology.
09/11 - 12/11 2.009 Product Engineering Process, Massachusetts Institute of Technology.
06/08 – 08/08 MAE 52 Computer Aided Design, University of California, Irvine.
03/05 – 06/08 MAE 145 Theory of Machines and Mechanisms, University of California, Irvine.

EMPLOYMENTS

06/11 – Now Assistant Professor, Singapore University of Technology and Design.
08/11 – 06/12 Visiting Scholar, Massachusetts Institute of Technology.
12/10 – 06/11 Associate Research Scientist, Singapore Institute of Manufacturing Technology.

05/09 – 11/10 Executive Assistant, E.M. Chen and Associates, Inc.
01/09 – 04/09 Research Specialist, Robotics and Automation Laboratory, University of California, Irvine.
06/08 – 08/08 Lecturer, Mechanical and Aerospace Engineering, University of California, Irvine.
06/04 – 12/08 Research/Teaching Assistant, Robotics and Automation Laboratory, University of California, Irvine.
06/03 – 08/04 Research Officer, Singapore Institute of Manufacturing Technology.

BOOK PUBLICATIONS

1. J. M. McCarthy and G. S. Soh, "Geometric Design of Linkages, Second Edition", *Interdisciplinary Applied Mathematics 11, Springer, New York*, 2010.

PROFESSIONAL ACTIVITIES

- Member, American Society of Mechanical Engineers (ASME).
- Member, Institute of Electrical and Electronics Engineers (IEEE).
- Symposium Organizer, ASME IDETC 38th Mechanism and Robotics Conference (MR), 2014
- Local Arrangement Chair, 3rd IFToMM International Symposium on Robotics and Mechatronics (ISRM), 2013

Turkey (1)

Data of the new member: Asst. Prof. Erkin GEZGIN

Position: new member

Passport size photograph	**E-mail:** erkin.gezgin@ikc.edu.tr **Web:** - **Country ISD Code:** +90 **Tel:** 232 329 3535 / 3712 **Fax:** 232 386 0888	**Address** **Institution name:** Izmir Katip Celebi University, Department of Mechatronics Engineering **Postal code, city:** 35620, Izmir **Street:** - **COUNTRY: Turkey**

Short CV

Education

2011 - 2012 Post - Doc. in Robotics Engineering Department, Daegu Gyeongbuk Institute of Science & Technology
2006 - 2011 PhD. in Mechanical Engineering Department, Izmir Institute of Technology.
2004 - 2006 MSc. in Mechanical Engineering Department, Izmir Institute of Technology.
2000 - 2004 BSc. in Mechanical Engineering Department, Izmir Institute of Technology.

Academic Experience

2012 - Present Assistant Professor in Department of Mechatronics Engineering, Izmir Katip Celebi University
2011 - 2012 Post Doc Researcher in Robotics Engineering Department, Daegu Gyeongbuk Institute of Science & Technology
2004 - 2011 Research Assistant in Mechanical Engineering Department, Izmir Institute of Technology.

Research Areas

Theory of Machines & Mechanisms; Spatial & Over-constraint Robot Manipulators; Robotics; Mechatronics; Biokinematics; Biorobotics; Nano & Micro Mechanisms; Surgery Robotics; Rehabilitation Robotics.

Journal Papers

- Byungsik Cheon, Erkin Gezgin, Dae Keun Ji, Morimasa Tomikawa, Makoto Hashizume, Hong-Jin Kim, Jaesung Hong, A single port laparoscopic surgery robot with high force transmission and a large workspace, Surgical Endoscopy and Other Interventional Techniques, May 2014, Doi: 10.1007/s00464-014-3534-6
- Erkin Gezgin, Serhan Ozdemir, Classification of Manipulators of the Same Origin by Virtue of Compactness and Complexity, Mechanism and Machine Theory, Volume 46, Issue 10, October 2011, pp: 1425-1433.

- Rasim Alizade, Erkin Gezgin, Synthesis of function generating spherical four bar mechanism for the six independent parameters, Mechanism and Machine Theory, Volume 46, Issue 9, September 2011, pp. 1316-1326
- Rasim Alizade, Ozgun Selvi, Erkin Gezgin, Structural Synthesis of Parallel Manipulators with General Constraint One, Mechanism and Machine Theory, Volume 45, Issue 1, January 2010, pp: 1-14.
- Rasim Alizade, Fatih Cemal Can, Erkin Gezgin, Structural Synthesis of Euclidean Robot Manipulators with Variable General Constraints, Mechanism and Machine Theory, Volume 43, Issue 11, November 2008, pp: 1431-1449.
- Rasim Alizade, Cagdas Bayram, Erkin Gezgin, Structural Synthesis of Serial Platform Manipulators, Mechanism and Machine Theory, Volume 42, Issue 5, May 2007, pp: 580-599.

Conference Papers

- Byungsik Cheon, Gezgin Erkin, Daekeun Ji, Makoto Hashizume, Morimasa Tomikawa, Jaesung Hong, "Development of a New Single Port Surgery Robot with Increased Torque and Workspace", Conference of Computer Assisted Radiology and Surgery, May 2013.
- O. Maaroof, E. Gezgin, and M. İ. C. Dede, General Subtask Controller for Redundant Robot Manipulators, 12th IEEE Int. Conf. on Control, Automation, Jeju Island, Korea, October 17-21, 2012.
- B. Cheon, E. Gezgin, J. Hong, Design of a New Single Port Surgery robot with Large Torque and Workspace, The 12th International Conference on Intelligent Autonomous Systems, Jeju Island, Korea, June 26-29, 2012.
- R. Alizade, O. Selvi, E. Gezgin, Structural Synthesis of Multiloop Manipulators with General Constraint One, Proceedings of the International Symposium of Mechanism and Machine Science, October 5-8, 2010, Izmir, Turkey, pp: 78-84.
- E. Gezgin, Survey of Rigid Body Motions In Space and Subspaces by Using Method of Intersections, Proceedings of the International Symposium of Mechanism and Machine Science, October 58, 2010, Izmir, Turkey, pp: 92-95.
- F. C. Can, E. Gezgin, Structural Synthesis of Novel Parallel Manipulators, Proceedings of the International Symposium of Mechanism and Machine Science, October 5-8, 2010, Izmir, Turkey, pp: 96-101.
- T. Bilgincan, E. Gezgin, C. Dede, Integration of the Hybrid-Structure Haptic Interface: HIPHAD v1.0, Proceedings of the International Symposium of Mechanism and Machine Science, October 5-8, 2010, Izmir, Turkey, pp: 267-284.
- R. Alizade, F.C. Can, E. Gezgin, O. Selvi, Structural Synthesis of New Parallel and Serial Platform Manipulators, 12th World Congress in Mechanism and Machine Science, June 18-21, 2007, Besancon, France, Paper No: 853.
- Rasim Alizade, Erkin Gezgin, Ozgür Kilit, Computational Kinematics of a Spherical Wrist Motion through Quaternions, International Workshop on Computational Kinematics CK2005, 4-6 May, 2005, Cassino, Italy Paper no: 32.

b) deleted members (for each new member please fill in the table as given bellow)

Please selected: member **Name of removed/deleted person:** Prof. James Trevelyan (Australia)	**Retired from TC**
Please selected: member **Name of removed/deleted person:** Prof. Bodo Heimann (Germany)	**Retirement**
Please selected: member **Name of removed/deleted person:** Prof. Manfred Hiller (Germany)	**Retirement**
Please selected: member **Name of removed/deleted person:** Dr Guilin Yang (Singapore)	**Move out of MO country**
Please selected: member **Name of removed/deleted person:** Prof Marcelo Ang (Singapore)	**Retired from TC**

IFToMM Technical Committee on Robotics & Mechatronics
Membership List (September 1, 2014)

Country	Candidate	Member Type	Status	Remark
Armenia				
Australia (1)*	~~Prof. James TREVELYAN~~	~~Member~~	~~delete~~	retired
	Prof. Dikai LIU	Member	renewal	
Austria				
Azerbaijan				
Belarus				
Brazil (3)*	Prof. Tarcisio-Antonio HESS-COELHO	Member	renewal	
	Prof Dr. Paulo Eigi MIYAGI	Member	renewal	
	Prof. Daniel Martins	Member	New	
Bulgaria				
Canada (2)	Dr. Leila NOTASH	Member	renewal	
	Prof. B. BENHABIB	Member	renewal	
China P.R. (6)	Prof. Lu ZHEN	Member	renewal	
	Prof. Xi Lun DING	Member	renewal	
	Prof. Feng GAO	Observer	renewal	
	Prof Yuru Zhang	Observer	renewal	
	Prof Liang YAN	Observer	renewal	
	Prof Yangmin LI	Observer	renewal	
Chinese Taipei	Prof Shuo-Hung CHANG	Member	renewal	

(4)	Prof Ming-Jun TSAI	Member	renewal	
	Prof Kuang-Chao FAN	Member	renewal	
	Prof Kang LI	Observer	renewal	
Croatia				
Czech Republic (3)	Prof. Tomas BREZINA	Member	renewal	
	Prof. Zbynek SIKA	Member	renewal	
	Dr. Jirí KREJSA	Observer	renewal	
Finland (1)	Prof. Petri KUOSMANEN	Member	renewal	
France (4)*	Prof. Philippe BIDAUD	Member	renewal	
	Prof. Grigore GOGU	Member	renewal	
	Prof. Said ZEGHLOUL	Member	renewal	
	Prof Vigen Arakelyan	Member	New	
Georgia				
Germany (3)*	~~Prof. Bodo HEIMANN~~	~~Member~~	~~delete~~	retired
	~~Prof. Manfred Hiller~~	~~Member~~	~~delete~~	retired
	Prof Torsten Bertram	Member	new	
	Dr. Tobias Bruckmann	Member	New	
	Prof Tobias ORTMAIER	Member	renewal	
Ghana				
Greece (2)*	Prof Nikos Aspragathos	Member	renewal	
	Prof Vassilis C. Moulianitis	Member	New	
Hungary (3)	Mr Andras TOTH	Member	renewal	
	Dr. Laszlo L. KOVACS	Member	renewal	
	Dr. Gabor ERDOS	Observer	renewal	
India (2)	Prof. Ashitava GHOSAL	Member	renewal	
	Prof. Subir Kumar SAHA	Member	renewal	
Israel (1)	Prof Moshe SHOHAM	Member	renewal	
Italy (7)*	Prof. Marco CECCARELLI	Member	renewal	
	Prof. Vincenzo PARENTI-CASTELLI	Member	renewal	
	Prof. Massimo SORLI	Member	renewal	
	Prof. Giuseppe CARBONE	Observer	renewal	
	Prof Rosario Sinatra	Observer	New	
	Prof Giuseppe Quaglia	Observer	New	
	Prof Giulio Riena	Observer	New	
Japan (3)	Prof. Yukio TAKEDA	Member	renewal	
	Prof. Nobuyuki IWATSUKI	Observer	renewal	
	Prof. Makoto SHIMOJO	Member	renewal	
Kazakhstan (1)	Prof. Zhumadil Baigunchekov	Member	new	Not received

Korea (South) (2)	Prof. Kyung-Soo KIM	Member	renewal	
	Prof. Frank C. PARK	Member	renewal	
Lithuania (3)	Prof. Genadijus KULVIETIS	Member	renewal	
	Prof. V. BARZDAITIS	Member	renewal	
	Prof. R. BANSEVICIUS	Member	renewal	
Macedonia				
Mexico (2)	Prof. Castillo-Castaneda EDUARDO	Member	renewal	
	Prof. Marcelo LÓPEZ-PARRA	Member	renewal	
Mongolia				
Netherlands (2)	Prof. B. Jonker	Member	renewal	
	Volkert van der WIJK	Member	renewal	
Pakistan				
Poland (4)*	Prof. Terese ZIELINSKA	Member	renewal	
	Prof. Dr. Józef WOJNAROWSKI	Member	renewal	
	Prof. Dr. Tadeusz UHL	Member	renewal	
	Prof Marek Wojtyra	Member	New	
Romania (2)	Dr-Ing. Sergiu B. CONONOVICI	Member	renewal	
	Luige VLADAREANU	Member	renewal	
Russia (1)	Prof Victor A GLAZNOV	Member	renewal	
Serbia (1)	Prof. Aleksandar VEG	Member	renewal	
Singapore (4)*	~~Dr. Guilin YANG~~	~~Member~~	~~delete~~	Move to other MO
	Prof. I.-Ming CHEN	TC Chairman		
	~~Prof. Marcelo ANG~~	~~Member~~	~~delete~~	Retired from TC
	Prof. Domenico CAMPOLO	Observer	renewal	
	Dr. Wei Lin	Member	New	
	Prof. Gim Song Soh	Member	new	
Slovakia (1)	Prof. Stefan HAVLIK	Member	renewal	
Slovenia (2)	Prof. Jardan LEARCIC	Member	renewal	
	Prof. Dr. Karl GOTLIH	Member	renewal	
Spain (5)	Prof Dr-Ing. Oscar ALTUZ	Member	renewal	
	Dr. Ing. Rikardo BUENO	Member	renewal	
	Prof. Vicente MATA-AMELA	Member	renewal	
	Prof. Miguel Angel NAYA VILLAVERDE	Member	renewal	
	Prof. Juan Carlos GARCIA-PRADA	Observer	renewal	
Switzerland				
Tunisia (2)	Prof Lotfi ROMDHANE	Member	renewal	
	Prof Slim CHOURA	Member	renewal	
Turkey (1)*	Dr Erkin Gezgin	Member	New	

Ukraine				
UK (3)	Dr. Robert BICKER	Member	renewal	
	Dr. Joseph ROONEY	Member	renewal	
	Dr. Yan JIN	Observer	renewal	
USA (5)	Prof. Gregory CHIRIKJIAN	Member	renewal	
	Dr. Oussama KHATIB	Member	renewal	
	Prof. N. OLGAC	Member	renewal	
	Prof. C. MAVROIDIS	Member	renewal	
	Prof Kennth WALDRON	Observer	renewal	
Vietnam (2)	Prof. Thien Phuc NGUYEN	Member	renewal	
	Dr. Doanh NGUYEN TRONG	Member	renewal	

- Total members: 88 (72 Members + 16 Observers) from 33 MOs.
- Updated: 1 Sep 2014 by I-M Chen

TC for Sustainable Energy Systems.

Following the correspondence with the IFToMM Italian Branch, we updated the members list of the TC Sustainable Energy Systems by **replacing prof. Paolo Penacchi with Prof. Giuseppe Quaglia.**

Data of the new member: Prof. Giuseppe QUAGLIA		
TC Sustainable Energy Systems **Position: Member**		
Passport size photograph 	**E-mail: giuseppe.quaglia@polito.it** **Web:** **Country ISD Code: +39** **Tel: 334 62 144 80** **Fax: 011 090 6999**	**Address** **Institution name: Politecnico di Torino** **Postal code, city: 10129, Torino** **Street: Corso duca degli Abruzzi 24** **COUNTRY:Italy**

Short CV

General infrormation

Name: Giuseppe
Surname: Quaglia
Email: giuseppe.quaglia@polito.it
Gender: Male
Date of birth: 1964-01-27
Nationality: ITALIAN
Corporation : Politecnico di Torino
Role: Associate Professor
Department name: Department of Mechanical and Aerospace Engineering

EDUCATION

Prof. Giuseppe Quaglia received his graduation in Mechanical Engineering form the Politecnico di Torino in 1989, 110/110 cum laude, and the PhD in “Applied Mechanics, Mechanical System and Structures” in 1993.

PROFESSIONAL EXPERIENCES

Since 1994 Prof. Giuseppe Quaglia has been working at the Department of Mechanics of the Politecnico di Torino, first as Researcher and then since 2003 as Associate Professor in Applied Mechanics. Currently he is a professor in the Department of Mechanical and Aerospace Engineering of the Politecnico di Torino.

Teaching Activity (Politecnico di Torino):

Prof. Quaglia has been lecturer of the following courses:

- Elements of Applied Mechanics
- Fundamental of Applied Mechanics
- Applied Mechanics
- Mechanics of Machines
- Fluid Automation
- Mechatronics
- Mechanics of Automatic Machines
- Sensing of Mechanical System
- Bases de Mecanique (Ital.-Franchise)

He is author of text-books on Mechatronics.

Research Activity:

His main fields of research are:

- mechatronics systems for disable people and healthcare
- Energy saving systems and actuators
- Mechanism and machine design;
- Mobile robots;
- Mechatronics;
- Robotics;
- Vehicle Systems Dynamic
- Industrial Automation
- Applied mechanics.

His research work has leaded not only to theoretical analyses or model and software

for system simulation but often to the realization of innovative prototypes (wheelchair, systems for disable people, energy saving actuators and pneumatic systems, vehicle suspensions, wrists, mobile robots, steer by wire systems) and some of them lead to national or international patents.
He is author of about 100 papers/patents, books (Smart textile for medicine and healthcare, Mobile Robots - Current Trends).
Prof. Quaglia is Editorial Board Member or reviewer of international Journal such as The Open Transportation Journal, Mechanical Systems and Signal Processing, Journal of Vibration and Acoustics, Journal of Sound and Vibration.
Prof. Quaglia has developed and/or coordinated numerous researches between the Polytechnic of Turin and private Corporations such as CNR, COMAU, FIAT FERROVIARIA S.p.A, DAYCO, CORCOS S.p.A, TEXA A.T., RANCILIO, C.F. GOMMA, SKF, TESEO, MTM-BRC, CARMEC.
He has moreover participated to various researches financed from the MURST/MIUR and from Regione Piemonte.

Organizational Skills:
Prof. Quaglia is involved in many institutional activities with Politecnico di Torino: he is delegate of the Rector for organizational and logistical aspects of the teaching, vice-dean of the First Faculty of Engineering for the Logistic, member of the didactic management commission of the athenaeum, member of the Department Board, member of the PhD council, member of the Accademic Senate. He was also member of the Department council, member of the interdepartmental council (CESAL).

TC for Biomechanical Engineering

On July 25th, 2014 the IFToMM Italy Secretary contacted me to propose some changes in the Italian members. Two new members are proposed: Danieli Guido as observer and Ferraresi Carlo as member. Vicenzo Parenti-Castelli is member of the TC.
These changes have been decided at the annual meeting of IFToMM Italy.
The following are the suggested Italian members and observers:

Danieli Guido	Università della Calabria, Via ponte Bucci cubo 45C - 87036 Rende (CS) tel +39-0984-494824	danieli@unical.it
Ferraresi Carlo	Politecnico di Torino - Corso Duca degli Abruzzi 24 - 10129 Torino ITALY	carlo.ferraresi@polito.it
Vincenzo Parenti Castelli	Unversità degli Studi di Bologna, Viale Risorgimento 2, 40136 Bologna, Italia, Tel +39 051 2093459	vincenzo.parenti@unibo.it

I have contacted the two new candidates to get additional information which I will include as soon as possible.

On July 25th, 2014 the IFToMM Italy Secretary contacted me to propose some changes in the Italian members. Two new members are proposed: Danieli Guido as observer and Ferraresi Carlo as member. Vicenzo Parenti-Castelli is member of the TC.
These changes have been decided at the annual meeting of IFToMM Italy.
The following are the suggested Italian members and observers:

Danieli Guido	Università della Calabria, Via ponte Bucci cubo 45C - 87036 Rende (CS) tel +39-	danieli@unical.it

	0984-494824	
Ferraresi Carlo	Politecnico di Torino - Corso Duca degli Abruzzi 24 - 10129 Torino ITALY	carlo.ferraresi@polito.it
Vincenzo Parenti Castelli	Unversità degli Studi di Bologna, Viale Risorgimento 2, 40136 Bologna, Italia, Tel +39 051 2093459	vincenzo.parenti@unibo.it

Data of the new member: Prof. Carlo FERRARESI

Position: new member

E-mail: carlo.ferraresi@polito.it
Web:
Country ISD Code: 0039
Tel: 011.0906943
Fax: 011.0906999

Address

Institution name: Politecnico di Torino
Postal code, city: 10129 Torino
Street: Corso Duca degli Abruzzi, 24
COUNTRY: ITALY

Curriculum Vitae of Carlo Ferraresi

Carlo Ferraresi received his MSc graduation in Mechanical Engineering from the Politecnico di Torino in 1980. Since 1983 he has been working at the Department of Mechanics of the Politecnico di Torino as Researcher, then since 1992 as Associate Professor and since March 2000 as Full Professor in Applied Mechanics.

Teaching

Prof. Ferraresi has been regular teacher of Applied Mechanics, Basic Engineering Mechanics, Robot Mechanics, Mechanics and Control of Mechanical Systems, Mechanics of Biomedical Systems. He is author of text-books on Applied Mechanics, Fluid Automation and Mechanical Systems Control. Besides he has been Chairman of the Doctorate School in Applied Mechanics of his University from 1999 to 2006 and Vice-Dean of the First Faculty of Engineering for the First Level Courses from 2003 to 2012.

Research

His main research topics are the following.

- Robotics: hybrid locomotion mobile robots; novel serial and parallel robotic structures;

manipulators and mobile robots powered by flexible pneumatic actuators; wire parallel robots; underwater robots fin-propelled; sensorized and self-adaptive hands for manipulation of delicate objects; hands actuated by shape memory elements; human-robot interaction.

- Fluid Power: innovative pneumatic components; novel control techniques for flow-regulation; refueling circuits for vehicles, supply circuits for gas engines.
- Mechatronics: haptic systems for force-reflecting telemanipulation; electro-pneumatic tactile sensors; interface devices (opto-pneumatic, acoustic-pneumatic, with laminar-turbulent jet transition); pneumatic valves actuated by shape memory elements.
- Biomedical Engineering: equipments for disabled people; pointer manipulator for neurosurgery; numerical and experimental study of the natural aortic valve and of aortic biological prostheses; Intermittent Pneumatic Compression devices for cardio-circulatory recovery; orthoses for rehabilitation.

Prof. Ferraresi directed several researches funded by MURST/MIUR, CNR, ASI and the British Council in co-operation with the University of Reading U.K.. He took part to numerous research co-operations between the Politecnico di Torino and public and private Corporations, such as Fiat Research Centre, Metal Work, Olivetti Accessori, Fiat Ferroviaria, Festo K.G., Comau, ENEA, Pirelli, Italgas, Dayco Europe, Ferrari, Sandretto Industries, Promatech, Matrix, SKF, Faiveley, SPEA.
The research activity led to the publication of about 200 scientific papers on national and international reviews and congress proceedings, and to the registration of ten industrial patent pendings.

Data of the new member: Prof. Guido Danieli, Ph.D.

Position: observer

Passport size photograph	**E-mail:** danieli@unical.it **Web:** **Country ISD Code:** 0039 **Tel: +39 3204257991** **Fax: +39 09841800149**	**Address** **Institution name: Università della Calabria** **Postal code, city: 87036 Rende** **Street:** Via Ponte Bucci Cubo 45C **COUNTRY: Italy**

Short CV

Born in Turin 1/10/46, Guido Danieli graduated in Engineering at the University of Naples in 1971. September 1971 he entered the Massachusetts's Institute of Technology as a graduate student. Research Assistant of the M. E. Department, he obtained a M.S. in M.E. in June 1973, and the Ph.D. in M.E. in 1976 in the field of Combustion Engines.

December 1974 Assistant Professor, 1984 Associate Professor, 2003 Full Professor, Faculty of Engineering of Calabria University. Part time from 1984 to 1994, he gained a wide knowledge in the Bioengineering field.

Research contracts with Fiat Research Centre on Combustion in S.I.E., with the local Health

Authority on orthopaedic and rehabilitation themes, and with ANAS (Italian Road Authority) on the development of an electronically controlled bridge. National Coordinator of two Research projects (2001), Research Supervisor of two PIA (2007) (Special Italian Research fund for southerner firms), of which obtained by Calabrian High Tech S.r.l., spin-off of Calabria University deriving from his research, all on Biomedical themes. CEO of Calabrian High Tech S.r.l. from 2009, for two times second place at Technest, competition between spin-offs. Member ATI, ATA, ASME and IFToMM Committees.

Author of over 160 technical papers and 50 patents, (20 international), one (on a fixation device) purchased by Biomet, (orthopaedic sector) for 300 thousand dollars, two by Tecnologica Srl for 224 thousand euro on a device for mouth model determination, two by Bosch und Siemens Haugeraete Gmbh for 26 thousand euro on a washing machine.

His research interest include Classical Mechanics, with particular emphasis on analysis and synthesis of mechanisms and gears designed to realize given motion laws, biomechanics, robotics and Virtual Reality Applied to Orthopaedics, shape and distant measurements using Laser or structured light, and recently on the development of surgical instruments requiring very small but reliable mechanisms (patents pending, not jet published).

Permanent Commission for EDUCATION

Data of the new member: Prof. /Dr./Eng.... Eduard Krylov

Position: *please select* **new member**

E-mail: krylov@udm.net
649526@mail.ru
Web: not obligatory
Country ISD Code: obligatory
Tel: +7 (912) 762 43 20
Fax: not obligatory

Address

Institution name:
Kalashnikov Izhevsk State Technical University

Postal code, city:
Izhevsk

Street:

COUNTRY:
Russia

Short CV

Curriculum Vitae Eduard Krylov

mobile: +7 (912) 762 43 20 krylov@udm.net 649526@mail.ru

Mechanical engineer, rocket engines 1989 – 1992
Engineer researcher
1993
PhD in mechanical engineering
2000
Moscow Aviation Institute, Moscow, Russia
Post Graduate Study Moscow Aviation Institute, Moscow, Russia
Moscow Aviation Institute, Moscow, Russia
RF Ministry of Education, Moscow, Russia
Post Graduate Education
Associated Professor (Docent) of chair «Theoretical Mechanics and Theory of Machines and Mechanisms»
06.2013
Kalashnikov State Technical University, Izhevsk, Russia
"ANSYS for simulation and design of Mechanical Systems"
02.2010
The research center
"Problems of quality of preparation of experts", Moscow, Russia.
Perm state technical university, Perm, Russia
"Development and improvement of quality of researches in the field of scientific and educational activity of universities"

Fields of expertize
Employment history
"The theory and practice of heat pumps"
Teaching and carrying out research project in areas of: mechanics of mechanisms and machines, analysis of vibration, thermodynamics, engines, hydraulics, heating systems, heat pumps, renewable sources of heat energy, engineering English.
07.1993- recent
Kalashnikov Izhevsk State Technical University (ISTU), chair of Theoretical Mechanics and TMM
Izhevsk, Russia
Associated Professor (since 1996), Senior Lecturer (1994 – 1996), Assistant (1993-1994)
11.2005 – 03.2008
Kalashnikov Izhevsk State Technical University (ISTU), chair of English
Membership in the professional Communities
Projects
Deputy Director
2010 – 2011
American Society for Engineering Education
– Global online membership
2013
Izhevsk, Russia
The USA
06.2005
Head of English Language Department
06.2006- 02.2009
Joint Venture Company «Mecmaster Izhevsk» (partial employment)
Journal of Mechanics Engineering and Automation
Reviewer
2013, November

David Publishing Group The USA
Company “Mecmaster Energi AB”, Ostersund, Sweden

All-Russian Open Student International Olympiad on Mechanism and Machines Science: Member of Organizing Committee, supervisor of ISTU student team – winner (silver medal) of the Competition
2013, October
Second Student International Olympiad on Mechanism and Machines Science (IFToMM – Shanghai Jiao Tong University, China): Member of Organizing Committee, supervisor of ISTU

Conferences
2012, October - December
Visiting professor in Egyptian Russian University (Cairo, Egypt)
: lectures and project on Theory of Machines
2012, March - April
Visiting professor in Egyptian Russian University (Cairo, Egypt)
: lectures and project on Machine Design II, and Theory of Machines
2011 Summer school for students of Egyptian – Russian University: lectures and project on Machine Design I
2011
First Student International Olympiad on Mechanism and Machines Science (IFToMM – IZTU) : Competition Secretary
2010
All-Russian Student International Olympiad on Mechanism and Machines Science: Member of Jury Board
2008
All-Russian Student International Olympiad on Mechanism and Machines Science: Member of Jury Board
2005 Supervisor of the international project Tempus Project JEP-26093- 2005 “Communicative approach in teaching languages (CATCH)
2002-2007
Design, installation and Control of Heat Pump Systems:
researcher. 1998
Kinetostatics of the Inverse Drive of a Bicycle: researcher. 1996
Analysis of Water Pump Vibration at Power Station: researcher.
1992-1993
Investigation of Machinery Fast Faults with the Analysis of Vibroaccelerations: researcher.
1991-1992
Health Monitoring of a Mechanical Valves by Measuring Vibration: researcher.
Participated in 15 scientific conferences, including ones abroad in Mittweida, 2006(Germany), Madrid, 2011 & 2012 (Spain), Valencia, 2012 (Spain), Tokyo, 2012 (Japan), Qingdao 2014 (China).
student team

Number of scientific papers and teaching books & materials
Papers relevant MMS education
53
Krylov, E. Russian-English thesaurus on Machine and Mechanism Science/ – Izhevsk, Kalashnikov ISTU, 2011. – 36 pp.
Krylov, E. Russian-English thesaurus on Theoretical mechanics/ – Izhevsk, Kalashnikov ISTU, 2012. – 63 pp.
Goldfarb, V., Krylov, E, Elenskii, A. The First Student International Olympiad on Mechanism and Machine Science—The Challenge in MMS Education // Journal of Mechanics And Automation Engineering, Volume 3, Number 3, March 2013 (Serial Number 21) – p.152 -158.
ISSN 2159-5275
Goldfarb, V., Krylov, E, Elenskii, A. Analysis of the Participant Solutions of the First Student International Olympiad on Mechanism and Machine Science // Mechanism and Machine Theory, Volume 70, 2013, Pages 293-297.
Gasisova, Z., Ezerskaya, S., Yanchenko, T., Krylov, E. et all. Student Olympiads on Theory of Machines and Mechanisms: Problems and Solutions/ Ed. Kuzhetsov N. – Izhevsk, Kalashnikov ISTU, 2013. – 288 pp. (Russian – English).
Zhichkina, E., Krylov, E., Pirozhkova, L. How to solve problems in Mechanics. Part I: Statics/ – Izhevsk, Kalashnikov ISTU, 1996. – 131 pp. (in Russian).
Krylov, E., Zhichkina, E., Pirozhkova, L. How to solve problems in Mechanics. Part II: Kinematics / – Izhevsk, Kalashnikov ISTU, 1998. – 140 pp. (in Russian).
Krylov, E., Pirozhkova, L. Dynamics of mass-point particle/ – Izhevsk, Kalashnikov ISTU, 2001. – 32 pp.
Krylov, E., Pirozhkova, L. D’Alembert’s Principle/ – Izhevsk, Kalashnikov ISTU, 2001. – 15 pp.
Krylov, E., Pirozhkova, L. Elements of analytical mechanics/ – Izhevsk, Kalashnikov ISTU, 2001. – 32 pp.
Korlyakov, S., Krylov, E. Elements of probability and statistics for the problems of machine reliability/ – Izhevsk, Kalashnikov ISTU, 2012. – 120 pp. (in Russian).

4
Curriculum Vitae
Eduard Krylov

5

Permanent Commission for the History of Mechanism and Machine Science

Data of the new member: Prof. /Dr./Eng.... Evgrafov Alexander/Professor/Eng

Position: observer

Passport size photograph	**E-mail:** a.evgrafov@spbstu.ru **Web:** website: http://www.spbstu.ru/ St. Petersburg State Polytechnical University **Country ISD Code:** Russia **Tel:** 7 (812) 297-1616 **Fax:** not obligatory	**Address** (obligatory) **Institution name: St. Petersburg State Polytechnical University** **Postal code, city: 195251, St. Petersburg,** **Street: Polytechnicheskaya, 29.** **COUNTRY: Russia**

Short CV

Alexander N. Evgrafov

Date of birth: 25 August 1952
Contact telephone number: +7 812 247-48-45
E-mail: a.evgrafov@spbstu.ru; alexevgrafov@mail.ru.
Citizenship: Russian Federation
City: Saint Petersburg

Work experience
Company: Saint-Petersburg State Polytechnical University, http://www.spbstu.ru/
Business sphere: education, science
Position: Head of Department
Working period: October 1995 - till present moment
Number of subordinates: 20

Main responsibilities and achievements:
1. Published more than 100 works, including
- Advanced Theory of Mechanisms and Machines (co-author). – Springer, 396 p.;
-Theory of Mechanisms and Machines (co-author), textbook, Moskow, Academia, 560 p.

2. Since 2003 till present moment - the chief editor "Theory of Mechanisms and Machines" Journal (rus) http://tmm.spbstu.ru/english.html 3. Since 2011 till present moment Co-Chair of the Organizing Committee international Conference "Modern Engineering: Science and Education" http://www.mmf.spbstu.ru/mese.html obligatory

Data of the new member: Prof. /Dr./Eng.... Cesare Rossi /Professor/Eng		
Position: observer		
Passport size photograph	**E-mail:** cesare.rossi@unina.it **Fax:** not obligatory	**Address** (obligatory) **Università di Napoli** **COUNTRY: Italy**

Data of the new member: Prof. /Dr./Eng.... Yibing Fang /Professor/Eng		
Position: observer		
Passport size photograph	**E-mail:** yibing@ihns.ac.cn **Fax:** not obligatory	**Institute for the History of Natural Science, China**

Data of the new member: Prof. /Dr./Eng.... Alessandro Gasparetto /Professor/Eng		
Position: observer		
Passport size photograph	**E-mail:** alessandro.gasparetto@uniud.it **Tel: +39 0432 558257** **Fax:** not obligatory	**Dipartimento di Ingegneria Elettrica, Gestionale e Meccanica** **Università di Udine Via delle Scienze 206 33100 Udine Italy**

Data of the new member: Prof. /Dr./Eng.... Pavel A. Andrienko /Professor/Eng

Position: observer

St. Petersburg State Polytechnical University
Country ISD Code: Russia
E-mail:
Tel: +7 812 297-48-45
Fax: not obligatory

Saint-Petersburg State Polytechnical University,
Postal code, city: 195251, St. Petersburg,
Street: Polytechnicheskaya, 29.
COUNTRY: Russia

Short CV

Pavel A. Andrienko

Date of birth:	05 November 1980
Contact telephone number:	+7 812 297-48-45
E-mail:	andrienko-p@mail.ru.
Citizenship:	Russian Federation
City:	Saint Petersburg

Work experience

Company:	Saint-Petersburg State Polytechnical University, http://www.spbstu.ru/
Business sphere:	education, science
Position:	assistant professor of department "Theory of Mechanisms and Machines"
Working period:	September 2006 - till present moment
Number of subordinates:	-

Main responsibilities and achievements:

1. Published more than 20 works, including
- Troitsky Bridge in St. Petersburg. Dynamics of Drives (co-author). – Deutschland: LAP LAMBERT Academic Publishing GmbH & Co, 2011. — 116 p. (rus).
2. Since 209 till present moment - on the staff of journal "Theory of Mechanisms and Machines" (rus).

obligatory

Data of the new member: Prof. /Dr./Eng.... Denis Kozlikin / Associate professor

Position: observer

St. Petersburg State Polytechnical University
Country ISD Code: Russia
E-mail:

Saint-Petersburg State Polytechnical University,
Postal code, city: 195251, St. Petersburg,

	kozlikindenis@gmail.com **Tel: +7 812 297-48-45** **Fax:** not obligatory	**Street: Polytechnicheskaya, 29.** **COUNTRY: Russia**

Denis Kozlikin

Date of birth: 12 April 1981
Contact telephone number: +7 812 247-48-45
E-mail: kozlikindenis@gmail.com
Citizenship: Russian Federation
City: Saint Petersburg

Work experience
Company: Saint-Petersburg State Polytechnical University (SPbSPU)
http://www.spbstu.ru/
Business sphere: education, science
Position: Associate professor
Working period: January 2008 - till present
Number of subordinates: 18
Main responsibilities and achievements:

- Published more than 20 works, including «Inertial forces compensation device in vibro rotary stands.Dynamic study» (co-author). – LAP Lambert Academic Publishing, 123 p.

- September 2013 - till present – Deputy executive secretary of the Admission Committee of SPbSPU Institute of Metallurgy, Mechanical Engineering and Transport

Technical Committee for Tribology

Data of the new member: Prof. Enrico CIULLI
Position: new member

Passport size photograph		
	**E-mail:** ciulli@ing.unipi.it **Web:** **Country ISD Code:** +39 **Tel:** +39 050 2218061 **Fax:** +39 050 2210604	**Institution name:** **University of Pisa,** **Dipartimento di Ingegneria Civile e Industriale** **Address:** **Postal code, city: 56126, Pisa** **Street: Largo Lucio Lazzarino** **COUNTRY: ITALY**

Short CV

Full Professor of Applied Mechanics at the University of Pisa.

Fellowship of Scuola Superiore di Studi Universitari e Perfezionamento S. Anna di Pisa from 1978 to 1983. Visiting Scholar at the Ohio State University, Columbus, Ohio, USA, in 1994 (National Research Council fellowship).

Prof. Ciulli teaches several courses of Mechanics and the course of Design of Bearings and Lubrication Systems at the University of Pisa.
Chairman of the PhD Course in Mechanical Engineering of the University of Pisa (2003-2007) and Vice-President of the Master Course in Mechanical Engineering of the University of Pisa (2007).

Prof. Ciulli's research activity covers tribological aspects as elastohydrodynamic, hydrodynamic and aerostatic lubrication, friction and wear problems, mainly of non-conformal contacts also under mixed and boundary lubrication conditions. His researches regard both basic studies and applications, particularly experimental investigations on gears, cams, journal bearings. He has been also involved in studies on hydrostatic lubrication, micro- and nano-tribology, biotribology, magnetic levitation.

Often involved as Member of Scientific and Organizing Committees of International Conferences, as the 2nd World Tribology Congress (WTC II, Vienna, September 2001), several AIMETA International Tribology Conferences (AITC) and European Conferences on Tribology (ECOTRIB). Particularly, he was Co-Chairman of the 4th AIMETA International Tribology Conference (Rome, 2004), Chairman of the second ECOTRIB (Pisa, 2009) and Chairman of the Program Committee of the 5th World Tribology Congress (WTC V, Torino, September 2013).

Member of AIMETA (Italian Association of Theoretical and Applied Mechanics), AIT (Italian Association of Tribology), ASME, EUROMECH, IFToMM Italy, SAE.

Secretary of AIT from 2006 to 2009 and AIT President from 2009 to 2014.
Italian ITC (International Tribology Council) Vice-President since 2006.
Member of the Management Committee of the Cost Action 532 "Triboscience and Tribotechnology: Superior friction and wear control in engines and transmissions" (2002-2007), and of the International Advisory Board for the "Austrian Centre of Competence for Industrial Tribology". Vice-President of the Tribology Technical Committee (CITRIB) of the Italian Association of Metallurgy (AIM), 2001-2005.

Prof. Ciulli serves as referee for some international journals (Tribology Letters, Proceedings of the Institution of Mechanical Engineers Part J - Journal of Engineering Tribology, Tribology International) and he is member of the Editorial Board of Lubrication Science, Advances in Tribology, Tribologia, Friction.

Prof. Ciulli is author and co-author of more than 200 scientific papers and two didactical books on Lubrication and Mechanics.

~~**Data of the new member: Prof. Vincenzo NIOLA**~~		
~~**Position: new observer**~~		
~~**Passport size photograph**~~	~~**E-mail:** vniola@uniana.it~~	~~**Universita di Napoli**~~ ~~**COUNTRY: ITALY**~~
~~To be updated~~		

b) deleted members (for each new member please fill in the table as given bellow)

Please selected: Member **Name of removed/deleted person:** **Prof. /Dr./Eng. Professor Roberto Bassani** **University of Pisa, Italy**	**Reason of deleting/removing:** **Requested by IFToMM Italy secretary, Prof. Giuseppe Quaglia to replace Prof. Bassani with Prof. Enrico Ciulli, maintain Prof. Raparelli Terenziano as member, and add Prof. Vincenzo Niola of Universita di Napoli as an observer.**

The full list of members with indicated proposed new members/observers and rejected/deleted
(please note that minimum nuber of members is at least five persons according to ByLaws n.3.8)

NO.	Name	Affiliation	Country
1	Professor Dae-Eun Kim *(Chair of the Technical Committee)* 	Dept. of Mechanical Engineering College of Engineering, Yonsei University 134 Sinchon-dong, Seodaemun-gu Seoul, Korea 120-749 Tel: 82-2-2123-2822 Fax: 82-2-312-2159 E-Mail: kimde@yonsei.ac.kr	Korea
2	Dr. Lawrence K.Y. Li 	Lawrence K.Y. Li, PhD Associate Professor, Dept of MEEM Director, Advanced Coatings Applied Research Laboratory City University of Hong Kong Tat Chee Avenue, Kowloon, HKSAR Hong Kong Tel: +852 2788 8406 (direct) +852 2788 7011 (ACARL) Fax: +852 2788 8423 E-mail: mekyli@cityu.edu.hk	Hong Kong, China
3	Professor Jianbin Luo 	State Key Laboratory of Triblogy Tsinghua University Beijing 100084, China Tel: 86-10-62781385 Fax: 86-10-62781379 E-Mail: luojb@tsinghua.edu.cn	China
4	Professor, Dr. José Daniel Biasoli de Mello	Federal University of Uberlândia School of Mechanical Engineering Campus Santa Mônica 38400-902 Uberlândia / MG 6Brazil	Brazil

		E-Mail:: ltm-demello@ufu.br	
5	Dr. Nikolai K. Myshkin	Head of Tribology Dept. Metal-Polymer Research Institute of Belarus National Academy of Sciences Kirov.Street 32A Gomel, 246050, Belarus E-Mail: nkmyshkin@mail.ru	Belarus
6	Professor Seh Chun Lim	Associate Provost, Student Affairs Singapore University of Technology and Design 20 Dover Drive Singapore 138682 Tel: +65- 6499 4567 E-Mail: sehchun_lim@sutd.edu.sg	Singapore
7	Professor Terenziano Raparelli 	Technical University in Turin Italy E-Mail: terenziano.raparelli@polito.it	Italy
8	Professor Valentin L. Popov	Institute for Mechanics Technique University Berlin Berlin, Germany Tel: 49-30-314-21480 Fax: 49-30-314-72575 E-Mail: v.popov@tu-berlin.de	Germany
9	Professor Zhongming Jin *(Deputy-Chair of the Technical Committee)*	Institute of Medical and Biological Engineering School of Mechanical Engineering University of Leeds Leeds, LS2 9JT UK Tel: +44 113 343 7471 Fax: +44 113 242 4611 Email: z.jin@leeds.ac.uk	UK
10	Professor Linmao Qian 	Professor Linmao Qian Tribology Research Institute Southwest Jiaotong University Chengdu 610031, Sichuan Province P.R. China Tel: 0086 28 87600687 Fax: 0086 28 87603142 Cell: 13551359848 Email: linmao@swjtu.edu.cn linmao0624@live.com	China

11	Professor Zygmunt Rymuza	Warsaw University of Technology Faculty of Mechatronics Institute for Mechatronics and Photonics Sw.A.Boboli 8/623 02-525 Warszawa, Poland Tel: +48 **22 6608540** Fax: +48 **22 6608601** E-Mail: kup_ryz@mech.pw.edu.pl	Poland
12	Professor Luiz Casteletti	 Tel: + Fax: + E-Mail: castelet@sc.usp.br	Brazil
13	Professor Hong Liang, Ph.D.	Mechanical Engineering Texas A&M University College Station, TX 77843-3123 Office: (979) 862-2623 Fax: 979-845-3081 Email: hliang@tamu.edu	USA
14	Professor Rafael Colás	*Universidad Autónoma de Nuevo León* Email: colas.rafael@gmail.com	Mexico
15	Professor Wang-Long Li	Wang-Long LI Department of Materials Science and Engineering National Cheng Kung University No.1, University Road, Tainan, 701, TAIWAN Tel:+886-6-2757575#31396;聽 Fax:+886-6-2745885; Mobil:+886-920682641 E-mail: dragonpuff.mina@gmail.com	China-Taipei
16	Professor Wen-Hsien Kao 	Automation Engineering & Institute of Mechatronoptic Systems, Chienkuo Technology University. No. 1, Chieh Shou N Rd., Chang Hua 500, Taiwan, R.O.C. Tel: +886-4-7111111 ext. 3921 Fax: +886-4-7111164 E-mail:kaowh@ctu.edu.tw	China-Taipei
17	Dr. Li Chang	School of Aerospace, Mechanical & Mechatronic Engineering The University of Sydney 2006 NSW, Australia Tel: +61-2-9351-2153 Fax +61-2-9351-7060 e-mail li.chang@sydney.edu.au	Australia
18	Professor Noritsugu Umehara	Advanced Materials and Manufacturing Laboratory Department of Mechanical Science and Engineering, Graduate School of Engineering, Nagoya University B3-3-641, Furo-cho, Chikusa-ku, Nagoya 464-8603,	Japan

		Japan Tel. +81-52-789-2785 Fax. +81-52-789-3120 e-mail: ume@mech.nagoya-u.ac.jp	
19	Dr. Nobuaki Mitamura	NSK LTd, Materials Laboratory/Basic Technology Research Center/Corporate Research & Development Center, 1-5-50, KUGENUMA SHINMEI, FUJISAWA-SHI, KANAGAWA, JAPAN **Post code:** 251-8501 **Phone:** +81-466-21-3079 **Facsimile:** +81-466-27-9766 **E-mail:** mitamura-n@nsk.com	Japan
20	Professor Braham Prakash	Division of Machine Elements Luleå University of Technology Luleå SE-971 87 SWEDEN Tel: +46 920 493055 Mobile: +46 70 5298655 Fax: +46 920 491047 E-mail: braham.prakash@ltu.se	Sweden
21	Professor Satish C. Sharma	Mechanical & Industrial Engineering Department Indian Institute of Technology, Roorkee Tel : (O)01332 – 285603 / 286609 (R) 01332 –285289 FAX : 01332 – 285665 Mobile: +91-9897394009, E-mail-sshmefme@iitr.ernet.in	India
22	Professor Enrico Ciulli 	University of Pisa, ipartimento di Ingegneria Civile e Industriale el: +39 050 2218061 ax: +39 050 2210604 mail: ciulli@ing.unipi.it	Italy
23	Professor Vincenzo Niola	Universita di Napoli E-mail: vniola@uniana.it	Italy (Observer)