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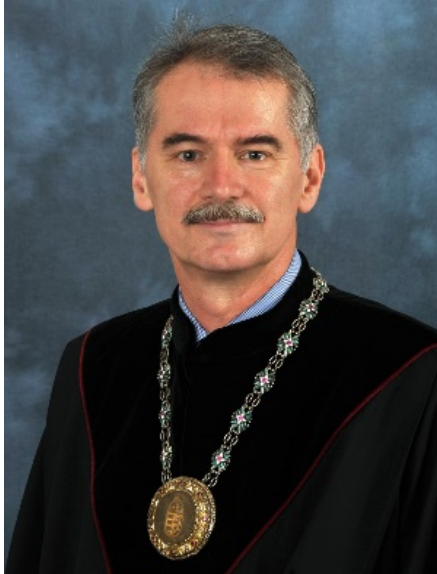
**38th Conference of
Rectors and Presidents of
European Universities of Technology**

**Horizons of
European Research and Innovation:
Experiences of Horizon 2020 and perspectives for Horizon Europe**

September 13th-14th, 2019

Short CVs of Chairs and Speakers

**2019 Conference Host:
Rector Professor János Józsa
Budapest University of Technology and Economics,
Hungary**



Prof. János Józsa, Rector, Budapest University of Technology and Economics (BME)

Prof. János Józsa has been Rector of BME since 2015 and President of the Hungarian Rectors Conference since 2018, Professor from 2003, Head of the Academic Research Group on Water Management from 2012, and Chairman of the National Hydro-science Programme of the Hungarian Academy of Sciences since 2017.

He graduated as MSc in Civil Engineering at Budapest University of Technology in 1981 and as PhD in 1993, in 2003 Academic Doctor at Hungarian Academy of Sciences, and Doctor Habil., at Budapest University of Technology and Economics in 2003.

Prof. János Józsa was elected Correspondent member of the Hungarian Academy of Sciences, in 2011, and Full member in 2019.

His main expertise/research interests are hydrodynamics and interface processes in shallow surface waters; field measurement and numerical modelling of wind-induced shallow lake flows and sediment transport; deterministic and stochastic modelling of turbulence, mixing and morphology in compound channels; Flood hydrology and floodplain inundation analysis. He was supervisor of 8 PhD students so far and is regular DPhil examiner at Oxford University.

Present teaching activity: BSc Base Hydraulics, MSc Hydromorphology, PhD Limnology.

Scientific memberships: Fluid Mechanics Section of IAHR (2001-), Advisory Council member of CISM (International Centre for Mechanical Sciences, Udine)

Editorial board memberships: Journal of Hydraulic Research (1996-98), Periodica Polytechnica – Civil Engineering (2004-), Journal of Hydrology and Hydromechanics (2005-06), Encyclopedia of Lakes and Reservoirs, Springer (2012-13). Reviewer for a number of international journals.

Some recent research and R&D projects:

Interaction mechanisms of physical processes via space and time scales in shallow lakes.

National Research Found, 2016-2020

DuReFlood - Danube floodplain rehabilitation to improve flood protection and enhance the ecological values of the river, EU RDF CBC Programme Hungary-Slovakia, 2010-2013

Publications award: Thomas Telford Premium Publication Award (Inst. of Civil Eng., UK), 2011



Zoltán Dubécsi, Secretary-General of the Hungarian Rectors' Conference

Dr. Zoltán Dubécsi graduated as a lawyer from the University of Miskolc in 1995 (legal bar exam 1998) and has been working as the Secretary General of the HRC since 2006. During the past 10 years, as the operative head of the unique representative body of the Hungarian Universities, he has been involved in all the strategic and legislation processes regarding higher education reforms in Hungary and gained comprehensive experience in international projects. Since 2014, he is honorary associate professor of Szent István University.

In addition to his position at the HRC, since January 2015, he is the Director for Education at the Central Bank of Hungary, managing higher education programmes together with different universities in the fields of economics and social sciences.

As the Secretary General of the Hungarian Rectors' Conference, Dr Dubécsi has been working with a large number of national and international higher educational institutions since 2006, therefore he has an extensive experience in various fields of higher education, including legislation procedures, creating statutory proposals, managing scholarship programmes, and enhancing internationalization.

In addition to his current work at the HRC, in 2013 Dr Dubécsi used to be the Chairman of the Secretary Generals' Committee at the European University Association, from March 2014 he is the chairman of the Supervisory Board at the Tempus Public Foundation, and from January 2015, he is the Director for Education at the Central Bank of Hungary. He is an active presenter at international conferences and a recognised expert in workshops.

In the past years, under his leadership at HRC, a great emphasis has been put on fostering internationalization in Hungary, with regards to incoming and outgoing student mobility, promotion of the Hungarian higher education and conclusion of agreements between nations. Due to his innovative solutions and engagement towards development, Hungary has achieved outstanding success in the Brazilian Science without Borders scholarship programme and has built fruitful relations with Latin-American and Asian countries.

At the moment, Dr Dubécsi's main focus is the enhancement of the role of the private sector in HE. In the project PROCSEE he is responsible for the strategic management of the project.



Wolfgang Burtscher, Deputy Director-General, Directorate-General for Research and Innovation, European Commission

Wolfgang Burtscher has been Deputy Director-General of the European Commission's Directorate-General for Research and Innovation since 2009 and has meanwhile been responsible for a wide range of policy development and implementation issues pertaining to both the EU research and innovation framework programmes and broader EU research and innovation policy.

From 2000 to 2009, Mr Burtscher was Director in the European Commission's Directorate-General for Agriculture.

Before joining the European Commission in 2000, Mr Burtscher was representative of the Länder at the Austrian Permanent Representation to the EU.

From 1992 to 1996, Mr Burtscher was Director of European Affairs in the Vorarlberg administration. Previously, from 1990 to 1992, he was a legal advisor at the European Free Trade Association (EFTA) in Geneva, at the time of negotiations on the European Economic Area (EEA). From 1983 to 1990, he was a lecturer in International and European Law at the University of Innsbruck.

Mr Burtscher holds a doctorate in law and also has a qualification from the Institut Européen des Hautes Etudes Internationales in Nice.



Riikka Heikinheimo, Director, Confederation of Finnish Industries

Dr Riikka Heikinheimo is currently responsible for the competence and education sector at the Confederation of Finnish Industries.

Prior to her current position, she made a short career as an executive director at the Academy of Finland, where her task was to build a completely new strategic research funding mechanism to Finland. This was a completely new activity in Finnish research and innovation system. Prior to this, she made a long career in Tekes (currently Business Finland), which is the major public innovation funding organization in Finnish RD and innovation system. In Tekes she held several executive positions and was a member of Tekes board of directors between 2004 and 2014.

By education Dr. Heikinheimo is a molecular biologist, and has worked as a scientist both in academia and in a biotech company. She made her PhD at the department of Molecular Genetics at the Swedish University for Agricultural Sciences in Uppsala (Sweden), and her post doc at the Institute of Biotechnology at Helsinki University.

Through her long practical experience in research and innovation strategies and implementation combined with funding and management experience, she has developed a passion and a deep understanding for the nature and needs of a successful and productive research and innovation process.

Her recent responsibilities are strongly related to skills strategies. The importance of right skillsets and competencies is increasing as technologies develop further and get implemented. Megatrends such as digitalization, AI and circular economy are transforming traditional industries and creating new ones. This puts a strong pressure towards education systems, policies and highlights the importance of continuous learning.

Dr Heikinheimo holds many positions as a board member and as a member of planning or advisory boards/committees developing different strategies related to education, research and innovations both at national and European level.

Since January 2019 she is Vice President of the Finnish Academy of Technical Sciences (TTA).

Twitter: @RHeikinheimo

LinkedIn: <https://www.linkedin.com/in/riikka-heikinheimo-3670134/>

<https://www.flickr.com/photos/elinkeinoelama/albums/72157662290284481>



Prof. Mark Ferguson, Director General, Science Foundation Ireland and Chief Scientific Adviser to the Government of Ireland

Professor Mark W.J. Ferguson commenced as Director General of Science Foundation Ireland in January 2012 and as Chief Scientific Adviser to the Government of Ireland in October 2012. Professor Ferguson is Chair of the European Commission Pilot Advisory Board for the European Innovation Council and is a founding member of the Small Advanced Economies Initiative. He was Chair of the eHealth Ireland Committee, (2015 – 2017), a member of the EU High Level Expert Group on Horizon 2020 Impact (2017) and has been involved in a number of international reviews of R&D systems, including Hungary, Denmark and Canada. Previously he was Professor in Life Sciences at the University of Manchester (since 1984) and co-founder, CEO and Chairman of Renovo Group plc (1998-2011).

He is the recipient of numerous international research awards including the 2002 European Science Prize (jointly), and is the author of 329 research papers and book chapters, 61 patent families and author / editor of 8 books. He has contributed to a number of scientific films, documentaries, TV and radio programmes and held offices in 16 international scientific societies, including President of the European Tissue Repair Society. He has wide ranging research interests in cellular and molecular mechanisms in scarring and wound healing, developmental mechanisms in normal and cleft palate formation, alligator and crocodile biology including temperature dependent sex determination.

Mark graduated from the Queens University of Belfast with degrees in Dentistry (BDS 1st class honours), Anatomy and Embryology (BSc 1st class honours, PhD) and Medical Sciences (DMedSc), holds Fellowships from the Royal Colleges of Surgeons in Ireland (FFD), and Edinburgh (FDS), Fellowship of the Irish Academy of Engineering and is a Founding Fellow of the UK Academy of Medical Sciences (FMedSci). He is a member or Fellow of a number of learned Societies, and was made a “Commander of the British Empire” (CBE) by the Queen in 1999 for services to Health and Life Sciences.



Hassan Charaf, Dean of the Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics, Hungary

Professor Hassan Charaf is Head of the Department, Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics, Department of Automation and Applied Informatics

Hassan Charaf received his MSc degree in 1992 in Electrical Engineering Faculty of the Technical University of Budapest, and later on his PhD degree in 1998 for submitting his theses entitled "System identification using neural networks". Meanwhile he also earned an MSc degree in Economics at the Budapest University of Economics. Currently he is professor, dean of the Faculty of Electrical Engineering and Informatics at the Budapest University of Technology and head of the Department of Automation and Applied Informatics. As an outstanding figure in teaching, research and development he is in key positions at several organizations at the university: IT manager of Knowledge Centers, as well as head of the Committee of Informatics.

The most important milestones in his professional carrier: Highest Impact on IT Sector Fellow (2009) offered by itBusiness, ICT IBM Faculty Award (2004, 2005, 2008), IT Trainer of the year in Informatics (2003) offered by The Hungarian Chief Information Officers' Association, Pannon GSM professorship (2000-2002), "Master Teacher" award of the Hungarian Republic (2001), Bolyai János professorship (1998-2001), Best Instructor for the Students' Scientific Contest (1999), Pro Juventute Universitas (2011), Kalmár László award (2012), IBM Faculty Award (2012), The excellent teacher of the Faculty (2012), HTE silver medal (2012), and Gábor Dénes award (2015).

Hassan Charaf has played a leading role in setting up research and development projects with NOKIA Hungary and NOKIA Finland, Nokia Siemens Networks, T-Mobile, Microsoft Hungary. He is the author of several books and lecture notes.



Robert-Jan Smits, President, Eindhoven University of Technology, The Netherland

Robert-Jan Smits is the President of the Eindhoven University of Technology. Prior to this, he was from 2018-2019 the Open Access Envoy of the European Commission, based at the European political Strategy Centre (EPSC) of the European Commission. In this capacity, he has proposed concrete policy recommendations (Plan S) to ensure that by 2020 all publicly funded scientific publications are available in Open Access.

Before this, he was from 2010-2018 the Director-General of DG Research and Innovation (RTD) at the European Commission. In this capacity, he was responsible for defining and implementing the EU policy and programmes in the field of research and innovation (average annual budget 8 billion euro).

Mr. Smits has received several recognitions and awards for his contribution to European science and innovation. He is an honorary member of Academia Europaea and of the Koninklijke Hollandsche Maatschappij der Wetenschappen.

He has degrees from Utrecht University in The Netherlands, Institut Universitaire d'Hautes Etudes Internationales in Switzerland and Fletcher School of Law & Diplomacy in the United States of America.



Lena J. TSIPOURI is Professor at the Department of Economic Sciences and Senior Researcher in the Centre of Financial Studies in the National and Kapodistrian University of Athens. She studied Economic Sciences at the Universities of Athens and Vienna, completed her PhD (Doctorat d' Etat), at the University of Paris II, which received the first prize. She then undertook postdoctoral research at MIT under a Fulbright Fellowship.

Prof. Tsiouri teaches Economic Development, European Economic, Integration, Economics of Technological Change and Theory of the Firm at both undergraduate and graduate level. Her scientific research, publication and presentations at various refereed scientific conferences and policy workshops are about Research & Innovation (focusing on start-up ecosystems), Regional Development and Corporate Governance.

She has over 25 years of experience in evaluating, developing and managing international research and innovation projects. Her consulting work focuses on policy design, implementation and evaluation for EU institutions, Governments and Regional Authorities in Europe, Asia and the Americas, the OECD and the UN. She has been (and still is) chair or member of various high-level advisory groups.



Matthias Weber, Head of Center for Innovation Systems and Policy at AIT Austrian Institute of Technology, Vienna, Austria

He holds degrees in Process Engineering and Political Sciences, as well as a PhD in Economics, all assigned by University of Stuttgart. His research work focuses on socio-technical system transitions, new forms of research and innovation, and foresight in support of research and innovation policy.

Matthias Weber is also advisor to national governments, European institutions and international organisations on matters of research and innovation policy, and served on several national and European expert groups, most recently the Research, Innovation and Science Policy Experts (RISE) High-Level Group of the European Commission), the High-Level Group on Innovation Policy Management advising the European Council, and the ERA 2030 expert group of German BMBF.

He is also member of the executive committee of EU-SPRI (European Forum for Studies of Policies for Research and Innovation).

Between 2016 and 2018, Matthias was leading the strategic foresight project BOHEMIA, in support of the preparation of the EU's new framework programme for research and innovation, Horizon Europe.



Dale A. Martin

Dale A. Martin has been CEO of Siemens Zrt. since 2010. During his almost three-decade career within the Siemens Group, he was Member of the Executive Boards of subsidiaries in Europe and Asia.

After studying Chinese (Mandarin) in Taiwan, he earned a Masters degree in Social & Economic Studies from the University of Economics and Business Administration in Vienna.

He speaks German, English, Hungarian, some French and Mandarin.

Before joining Siemens, he worked for AWT in Vienna from 1984, then from 1989 to 1991 he was Deputy General Manager of AWT's Asian joint venture in Hong Kong, covering Greater China and South Korea.

Dale A. Martin held the position of President of the German-Hungarian Chamber of Industry and Commerce (DUIHK) between 2013 and 2019 for the maximum three terms and continues to serve on its Board.



Philippe Courtier, President, Compiegne University of Technology, France

Philippe Courtier, graduated from École Polytechnique, and from École Nationale de la Météorologie, and holds a PhD from Université Pierre et Marie Curie (Paris) in the field of meteorology.

Formerly a researcher at Météo-France and then at the European Centre for Medium-Range Weather Forecasts in Reading, UK, where he stayed twice, the latter as head of the data division. Then he was head of operational meteorological programmes at the French Space Agency (CNES) (1995-1997) and later Director of the Laboratoire d'Océanographie Dynamique et de Climatologie (1998) (Oceanographic and Climate Research Laboratory). He was in charge of the operational oceanography project Mercator (1997-1998).

He was Deputy Chief Executive of Météo-France from 1999 to 2004, first in charge of the territorial network and the national projects, then of international and institutional affairs. As such, he has been several times the head of the French delegation at ECMWF and Eumetsat councils.

He was Director of the École Nationale des Ponts et Chaussées from 2004 to June 2012 and was in charge of the company responsible for the MBA of the School and the school's executive education subsidiary - the biggest executive education division by turnover of any French engineering school. He was also second Vice-President of ParisTech, the Paris Institute of Technology that groups 12 of Paris *Grandes Ecoles*. He was a co-founder of University Paris-Est in 2007.

Philippe Courtier has been Director-general of EMLYON Business School from July 2012 to June 2013 and was also in charge of the school's executive education subsidiary. Since June 2014 he is head of the "service de la recherche" of the Ministry in charge of Ecology, Sustainable Development and Energy.

Since February 2017, he is president of Université de Technologie de Compiègne.

He has published numerous papers in major international journals and has been distinguished by a prize from the French Académie des Sciences and another from the British Royal Meteorological Society. He chaired the world weather research programme scientific committee.

He is "chevalier de la Légion d'honneur". He is professor in the field of climate change at École Nationale des Ponts et Chaussées.



Prof. Martin Schroeder, Vice-President, University of Manchester, United Kingdom

Martin Schröder was born near London of Estonian parents and was first in family to go to University. He gained his BSc in Chemistry from the University of Sheffield, and PhD from Imperial College, University of London. After postdoctoral fellowships at the ETH, Zürich and at the University of Cambridge he was appointed to a Senior Demonstratorship at the University of Edinburgh in 1982. He was subsequently promoted to Lecturer, Reader and then Professor, and in 1995 was appointed to the University of Nottingham as Head and Professor of Inorganic Chemistry. He was Head of the School of Chemistry at Nottingham (1999-2005) and Executive Dean of the Faculty of Science (2011-2015). In 2015 he moved to his current position as Vice-President and Dean of the Faculty of Science and Engineering and Professor of Chemistry at the University of Manchester.

He has been a Visiting Professor at the University of Toronto, Canada, the University of Otago, Dunedin, New Zealand and the Université Louis Pasteur, Strasbourg, France. He has published 525 publications and is a Fellow of the Royal Society of Edinburgh (FRSE) and a Fellow of the Royal Society of Chemistry (FRSC). His awards include the Corday-Morgan Medal and Prize of the Royal Society of Chemistry, a Royal Society of Edinburgh Support Research Fellowship, Tilden Lecturer of the Royal Society of Chemistry, the Royal Society of Chemistry award for the Chemistry of Transition Metals, a Royal Society Wolfson Merit Award, a Leverhulme Trust Senior Research Fellowship, and the Royal Society of Chemistry award for Chemistry of the Noble Metals and their Compounds. In 2005 he was awarded an Honorary Doctorate from Tallinn Technical University, Estonia, and in 2017 an Honorary Doctorate from the Nikolaev Institute of Inorganic Chemistry, Russian Academy of Sciences. He has held many research awards including two ERC Advanced, two Proof of Concept, and EPSRC Programme and Russian Mega grants. In 2016 he was elected Member of the Academia Europaea.

His research interests lie in the area of materials chemistry, specifically the design, synthesis and study of porous metal organic framework materials for energy and environmental applications. Current focus lies in the separation and capture of fuel and toxic gases, hydrocarbons and metal values, and applications of porous materials in catalysis, clean-up and proton conductivity.



Professor Eugenijus Valatka, Rector, Kaunas University of Technology, and Vice-president of Lithuanian University Rectors' Conference.

Prof. Eugenijus Valatka holds BSc in Engineering (1993), MSc in Environmental Engineering (1996) and PhD in Chemical Engineering (2000). He worked as Lecturer (2000–2002), Associate Professor (2002–2012), Professor (2012–up to now), Vice Dean (2006–2011), Dean (2011–2018) in the Faculty of Chemical Technology, Kaunas University of Technology.

His research is in the areas of photoelectrochemistry, photocatalysis and electrochemical energy storage using metal oxides (co-author of more than 70 scientific publications). His project activity: various contracts with industrial partners, participation in scientific research (COST, Lithuanian State Science and Studies Foundation) and education projects (development of the European Credit Transfer and Accumulation System (ECTS) at the national level, development of study cycle descriptors and structure of study fields' descriptors). He was a supervisor of 5 PhD students who have graduated.

Professor is a Member of the International Society of Electrochemistry, Lithuanian Society of Chemistry, Lithuania-Germany Forum, Lithuanian Industrialist Confederation and Association of Lithuanian Chemical Industry Enterprises.

He serves as President of Association Santaka Valley (Integrated Science, Studies and Business Center) which unites and integrates activities of the largest research, technology and education institutions of Kaunas.

He speaks Lithuanian (native), English, French, Russian.



Péter Lakatos, Member of the EIT Governing Board

Péter Lakatos is Hungarian and was born in Budapest in 1961. He graduated from the Technical University of Budapest as an electrical engineer in 1983 and went on to perform scientific work as a Ph.D. student in computer science on "Man-Machine Interaction".

He began his professional career at Műszertechnika Zrt. in 1986, and was a Member of the Board of Műszertechnika Zrt. from 1991 till 2013. In 1991, he joined Videoton Holding Zrt as a shareholder, where he is today a co-CEO and a member of the Board of Directors. Since 2007, he has been the joint owner and honorary president of Bravogroup Holding. Founded in 1992, Bravogroup Holding is one of the largest info communicational enterprises in Hungary. From 1999, the corporation has worked under the holding structure, representing the company on the business market through separate firms.

Together with his wife, Péter established and operates a charity website (ad6kap6) that has been online since 2008.

Péter is also the Vice President of MGYOSZ (Confederation of Hungarian Employers and Industrialists), which is a member federation of BUSINESSEUROPE. Here, his objective is to increase the number of successful Hungarian companies on the world market. Péter was selected as a Global Leader for tomorrow in 1995 by the World Economic Forum, and received the civilian Hungarian Order of Merit in 2015.



Marie-Christine Baietto, Vice-President for Research, INSA Lyon

Education

1981-1986 INSA LYON, France - Mechanical Engineer – Graduation with highest honors

1987 INSA LYON, France - Master Science degree in Mechanical Engineering

1989 INSA LYON, France - PhD degree in Mechanical Engineering

1999 INSA LYON, UNIVERSITÉ CLAUDE BERNARD, France - Habilitation à diriger des recherches.

Career Experience

1989 - 2004 Junior Scientist CNRS – INSA Lyon

2004 – 2013 Second class Senior Scientist CNRS – INSA Lyon

2013- First class Senior Scientist CNRS – INSA Lyon

Duties

2012- 2013 Vice Director of the Doctoral School MEGA ED 162 (450 PhD)

01/2014- 09/2017 Director of the Department FEDORA, INSA LYON (650 PhD, 8 doctoral schools)

01/2011- 12/2015 Team leader of ISE, LaMCoS I (37 people)

01/2016- now Team Leader of MIMESIS, LaMCoS (45 people)

09/2015- now Member of COMEVAL Commission

09/2016- now Vice President for Research INSA LYON

09/2017- 09/2018 Interim DIRECTOR of CITI laboratory, INSA Lyon (102 people)

06/2018- now Responsible of the INSA group Research Commission,

22 Ph.D students graduated, 4 post-docs – More than 80 refereed journal publications



Prof. Tim Bedford, Associate Principal Research and Innovation, University of Strathclyde, UK

Professor Tim Bedford is Associate Principal of the University, leading the Research and Innovation portfolio in the University Executive Team, working in close collaboration with the Principal and Deputy Associate Principals Professors Lowit, Kerr and McArthur.

Key responsibilities within his Associate Principal role are: representing the R&I interests of the

University in discussions with Government and other public bodies such as research and innovation funders; convening the University Research and Knowledge Exchange Committee and, with colleagues, developing the university strategy in research and innovation; providing leadership to cross-faculty initiatives such as the Technology and Innovation Centre and the University Strategic Themes; engaging with external university research partners in business and government; chairing the Taskforce on Innovation for CESAER, and being part of its Committee for Innovation and Impact.

Professor Bedford is a Fellow of the Royal Society of Edinburgh and a member of its Business Innovation Forum. In 2016 he was on the advisory board of the Reid Review of Scottish Innovation.



Prof. Rajmund Bacewicz, Vice-Rector for Research at Warsaw University of Technology, Poland

Rajmund Bacewicz received his MSc degree in physics from University of Warsaw in 1974 and Ph.D. degree in physics from Warsaw University of Technology (WUT) in 1980.

He has been with WUT since 1974 as a professor of physics since 2003. He served as the Dean of Faculty of Physics (2005-2012) and Vice-Rector for Research at WUT since 2012.

Bacewicz was a postdoctoral fellow at the Solar Energy Research Institute, Golden, USA (1986-88).

His area of research is the solid state spectroscopy of semiconducting materials with emphasis on compounds for photovoltaic energy conversion.

His teaching includes lectures on solid state physics, solid state optics and quantum metrology.

He is a Fellow of Institute of Physics (UK) and a member of four Polish scientific associations. Bacewicz is a member of presidential National Development Council.



Prof. Roberto Zanino, Rector's Delegate for European Relations, Politecnico di Torino, Italy

Roberto Zanino received the M.Sc. degree in nuclear engineering (magna cum laude) and the Ph.D. degree in energetics in 1984 and 1989, respectively, from Politecnico di Torino (PoliTo).

In the 80's and 90's he spent long periods at the Max-Planck Institut fuer Plasmaphysik in Garching, Germany, and at the MIT Plasma Science and Fusion Center in Cambridge (MA) USA. Since 2000, he has been a Professor of nuclear engineering at Dipartimento Energia, PoliTo, where he leads the Nuclear Engineering Modelling (NEMO) group <http://www.nemo.polito.it/> From 2007 till 2010 he was the Director of Alta Scuola Politecnica <http://www.asp-poli.it> . Between 2011 and 2017 he was the Head of graduate studies in Energy Engineering at PoliTo.

Since 2017 he is the Vice President of the Italian university consortium for nuclear technologies (CIRTEN) <http://www.cirten.it/> . Since 2018 he is the Rector's Delegate for European Relations at PoliTo. In 2018 he was elected Vice President of the Magalhaes network <https://www.magalhaes-network.org/> . In 2019 he was named a member of the EURATOM Scientific and Technical Committee.

He is the author or co-author of 150+ papers in international journals, devoted mainly to computational modelling in different fields of relevance for nuclear fusion (superconducting magnets and cryogenics, plasma-wall interactions/power exhaust/high heat flux components, breeding blanket, ...), nuclear fission (Gen-IV lead-cooled fast reactors) and concentrated solar power (central tower system receivers).

According to the Scopus database, his h-index is 24.

Prof. Zanino was named a senior member of the Institute of Electrical and Electronic Engineers (IEEE). He also is a member of the American Nuclear Society (ANS), of the American Society of Mechanical Engineers (ASME) and of the International Solar Energy Society (ISES). For ASME, he serves as a member of the VV30 subcommittee, working on Verification&Validation issues in nuclear applications.

He was visiting full Professor of Nuclear Engineering at the Peter the Great St. Petersburg Polytechnic University and is an International Faculty Affiliate to the University of Illinois at Chicago, Department of Mechanical and Industrial Engineering.



Prof. Viorel-Aurel Serban, Rector of the Politehnica University of Timisoara, Romania

Positions held:

- Rector of the Politehnica University of Timisoara
- President of the Romanian Alliance of Technical Universities – ARUT
- President of Romanian Commission for Materials Engineering of the National Council for the Accreditation of Titles, Diplomas and University Certificates (CNATDCU)

Research and scientific results

- PhD Coordinator/ Advisor in the field of Materials Science -19 PhD title awarded;
- Director of 18 research grants/contracts and member in the research teams of 62 grants/contracts (10 of European funds)
- Over 240 scientific papers published in journals and proceedings (75 ISI-indexed journals and proceedings);
- 19 books written for specialists and students
- Co-author of 6 patents

Distinctions and remarks

- Doctor Honoris Causa of the Obuda University in Budapest, 2017
- - Diploma "Academic Merit" awarded by the Romanian Academy, 2016

International agreements signed in recent years with prestigious universities

e.g.: TU Munchen, TU Graz, Polytechnic University of Madrid, University of Oviedo, University of Ioannina, Lille Catholic University, University of South Bohemia, Obuda University of Budapest, Hangzhou Dianzi University, University of Minho



Prof. Francisco José Mora Más, Rector of Universitat Politècnica de València

Telecommunication Engineer from the *Universitat Politècnica de Catalunya* (1991). During the years 1993-1997, the European Particle Physics Laboratory (CERN) granted him a "Doctoral Student" scholarship to carry out his doctoral thesis in the electronics and data acquisition group of the ATLAS experiment. Ph.D. in Telecommunication Engineering from the *Universitat Politècnica de València* (UPV) (1997). Since 2003 he is Full-Professor at the UPV in the area of Electronic Engineering.

His research work is carried out in the Institute of Instrumentation for Molecular Imaging (Mixed Center UPV-CSIC), being his field of research the design of data acquisition systems for high energy physics and electronic instrumentation for medical physics, specialty in which he has published a large number of scientific papers in international journals and conferences.

Prof. Mora is vice-president of the Spanish universities rectors' conference, vice-president of the Spanish association of science and technology parks and president of the entrepreneurship Network "RedEmprendia".

Prof. Mora is completing his second mandate as Rector of the UPV after having been reelected in 2017.



Prof. Christine Ahrend, First Vice President for research, appointment strategy, and knowledge and technology transfer, Technische Universität Berlin, Germany

Christine Ahrend (Born 1963 in Braunschweig) is Professor at the Department of Land and Sea Transport Systems of the Technische Universität Berlin where she is Head of Chair of Integrated Transportation Planning. Her research is driven by a demand-oriented approach which focuses on empirical-based mobility research and a systematic projection of social and technological trends to derive profiles of future demand.

After finishing her studies in spatial planning she obtained a doctorate in transportation planning. Before accepting her call to the Technische Universität Berlin she was part of the management board at Volkswagen Group Research, department for „Future Research and Trend Transfer“, thereby responsible for the development and implementation of inventions in the vehicle development across brands. From 1999 – 2005 she was research assistance at DaimlerChrysler AG in the Group Research Lab „Society and Technology – Futures Research“ and „Vehicle Concepts and Human-Machine Interaction“.

Since April 2014 she is the 1st Vicepresident of Technische Universität. Her areas of responsibility include research, appointment strategy, and knowledge and technology transfer. She is a member of the General Assembly at the European Institute of Innovation and Technology, the Climate-Knowledge and Innovation Community (EIT Climate-KIC), member of the Senate at the German Aerospace Center (DLR), member of the Advisory Board at Fraunhofer Institute for Open Communication Systems (FOKUS) and from 2020 member of the Scientific Advisory Board at Physikalisch-Technische Bundesanstalt (PTB).



Prof. Manfred Horvat, Honorary Professor, Technische Universität

Manfred Horvat, born in 1941, studied mechanical engineering and is Honorary Professor at Vienna University of Technology (TU Wien) in Austria and Tomsk Polytechnic University (TPU) in Russia as well as Adjunct Professor at the Norwegian University of Science and Technology (NTNU) in Trondheim, Norway. His main interests are international research and technology policies, programmes and instruments and their evaluation and impact assessment.

From 1980 to 1993 he was founding director of the University Extension Centre at TU Wien. Since 1981, he coordinates the Conference of Rectors and Presidents of European Universities of Technology. From 1993 to 2006, he was director at the BIT and the Austrian Research Promotion Agency (FFG) responsible for the operational implementation of the EU Research and Innovation Framework Programmes in Austria. From 2008 to 2015 he was Senior Advisor for European cooperation of CESAER.

Since the early 1990s, he has been member of several programme committees for European education and RTD programmes and was member and chairman of numerous research and innovation policy expert panels for the European Commission, UNDP and OECD as well as national governments. Among other assignments, he chaired the first five-year assessment of the EU INCO Programme (2000) and reviewed the STI cooperation between the EU and China (2008), USA (2009), and Mexico (2010). He chaired the Horizon 2020 Advisory Group for International Cooperation.

Recently he was external expert for the OECD Innovation Policy Review for Kazakhstan and member of the team of experts assessing the implementation of Knowledge Triangle Integration in the Knowledge and Innovation Communities (KICs) of the EIT. He is vice-chairman of the International Scientific Council (ISC) of Tomsk Polytechnic University (Chair: Danny Shechtman) in Russia.

Since many years, he is engaged in studies and initiatives on research and technology policies in China and on EU-China cooperation. From 2016-2018, he was Senior Advisor of the Joint Programming Initiative Urban Europe with the specific task of developing long-term cooperations between the National Natural Science Foundation of China (NSFC) and groups of European national science foundations. Since 2017, he chairs the Advisory Board of the HORIZON 2020 URBAN EU-CHINA Innovation Platform for Sustainable Urbanisation.