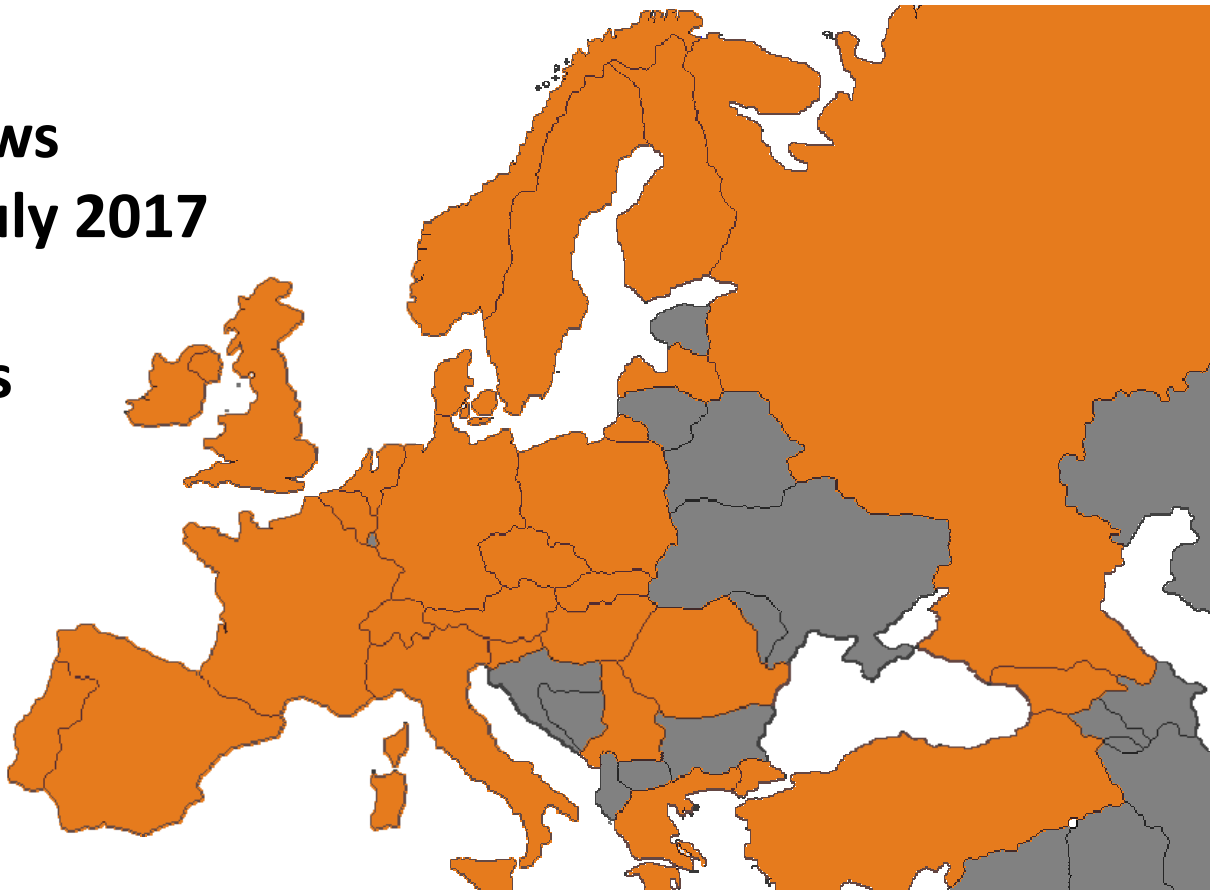
The European Ceramic Society

Fellows of ECerS

Title bestowed in recognition of achievements and contributions to the field of Ceramics

List of Fellows
up to 12th July 2017
and
new Fellows
Biography



Fellows of ECerS

ABC

- Jean-François Baumard (France)
- Miroslav M. Bucko (Poland)
- Carmen Baudin (Spain)
- Alida Bellosi (Italy)
- Lennart Bergstrom (Sweden)
- Jon Binner (United Kingdom)
- Paul Bowen (Switzerland)
- Francis Cambier (Belgium)
- Elis Carlström (Sweden)
- Thierry Chartier (France)

DEFGH

- Arturo Dominguez Rodriguez (Spain)
- Jan Dusza (Slovak Republic)
- Gilbert Fantozzi (France)
- Jose F. Fernandez (Spain)
- José M.F. Ferreira (Portugal)
- Peter Greil (Germany)
- Kristof Haberko (Poland)
- Stuart Hampshire (Ireland)
- Juergen Heinrich (Germany)

IJKL

- Tomaž Kosmač (Slovenia)
- Zoltán Lenčéš (Slovak Republic)
- Anne Leriche (France)
- Jerzy Lis (Poland)

MNOP

- Hasan Mandal (Turkey)
- Tapio Mäntylä (Finland)
- Rodrigo Moreno (Spain)
- Roman Pampuch (Poland) †
- Zbigniew Pędzich (Poland)

QRS

- Ralf Riedel (Germany)
- Pavol Sajgalik (Slovak Republic)
- James Shen (Sweden)
- Vladimir YA. Shevchenko (Russia)
- Wilhelm Siemen (Germany)
- Agnès Smith (France)
- Vladimir Srdić (Serbia)
- Danilo Suvorov (Slovenia)

TUV

- Richard Todd (United Kingdom)
- Enrico Traversa (Italy)
- Omer Van Der Biest (Belgium)
- Adrian Volceanov (Romania)

WXYZ

- Louis Winnubst (The Netherlands)
- Julie Yeomans (United Kingdom)
- Paolo Zannini (Italy)

Distinguished Fellow:

- Sir Richard Brook (UK)

2017 New Fellows of ECerS

Delivered on July 12th, 2017 in Budapest, Hungary:

Distinguished Fellow:

- Rudi Metselaar (The Netherlands)

Honorary Fellows:

- Suk-Joong L. Kang (Korea)
- Gary Messing (USA)
- Victor Carlos Pandolfelli (Brasil)
- Yukio Sakabe (Japan)
- Yoshio Sakka (Japan)
- Mrityunjay Singh (USA)
- Mike Swain (Australia)
- Masahiro Yoshimura (Taiwan)

Fellows:

- Christos Aneziris (Germany)
- Csaba Balazsi (Hungary)
- João Lopes Baptista (Portugal)
- Jérôme Chevalier (France)
- Paolo Colombo (Italy)
- Michele Dondi (Italy)
- Robert Freer (UK)
- Branko Matovic (Serbia)
- Alexander Michaelis (Germany)
- Laura Montanaro (Italy)
- Victor M. Orera (Spain)
- Michael J. Pomeroy (Ireland)
- Andreas Roosen (Germany)
- David Smith (France)

Please find their short biography in the next pages

DISTINGUISHED FELLOW

RUDI METSELAAR

THE NETHERLANDS

Rudolf Metselaar is an emeritus professor of the Eindhoven University of Technology in Eindhoven, The Netherlands.

He was born 30-06-1936 in Zaandam and studied at the University of Amsterdam and obtained a master degree in Physical Chemistry (summa cum laude) and where he received a Ph.D. in 1967 on a thesis “Infrared spectroscopy of solids”.

From 1967-’76 he worked as researcher at Philips Research Laboratories in Eindhoven in the group Magnetism and Magnetic Materials and then was nominated professor in Physical Chemistry at the Eindhoven University of Technology until his retirement in 2001. From 1985-’98 Scientific director of the Centre for Technical Ceramics (a joint institute of the Eindhoven university and the TNO Institute of Applied Physics).

He published about 300 scientific and technical papers in the field of solid state chemistry and ceramic materials.

He is Honorary Member of the Netherlands Ceramic Society (NKV), while the American Ceramic Society (ACerS) awarded him as a Fellow and as Distinguished Life Member. He is Academician of the World Academy of Ceramics and received the Gold Medal of the Eindhoven University of Technology, the BP Energy Prize, and a Honorary Diploma of the Mexican Ceramic Society.

Rudi was the first president of the Society and organizer of the 1st International Conference of the ECerS. He received the Richard Brook Award and the Stuijts Award

HONORARY FELLOWS

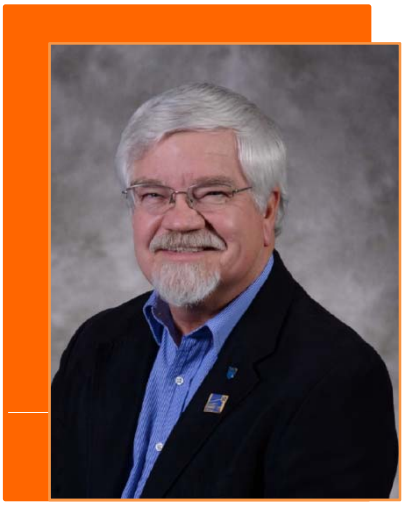
SUK-JOONG L. KANG

KOREA

Suk-Joong L. Kang is President of the Korea Institute of Ceramic Engineering and Technology (KICET). Before joining KICET in 2015, he was a Distinguished Professor in the Department of MSE at KAIST. He received a Dr.-Ing degree from the Ecole Centrale de Paris and a Dr. d' Etat degree from the University of Paris VI. After joining KAIST in 1980, he also served as a Visiting Professor at the Stuttgart Max-Plank-Institut, at Samsung Electromechanics, at the University of New South Wales, and at the University of Tokyo.

Dr. Kang has published more than 280 papers on sintering and microstructural evolution in ceramics and metals. He is the author of the text Sintering: Densification, Grain Growth and Microstructure, published in 2005. He developed the "Pore Filling Theory" of liquid phase sintering. Since the late 1990's, Dr. Kang has particularly contributed to the understanding of microstructural evolution by structural transition and defect formation at interfaces. He introduced the concept of the mixed control of boundary migration, and deduced the principle of microstructural evolution. Dr. Kang is a fellow of the American Ceramic Society and a member of the World Academy of Ceramics. He also served as President of the Korean Powder Metallurgy Institute, the Korean Ceramic Society, and the Asia-Oceania Ceramic Federation, and as Editor-in-Chief of the Journal of Asian Ceramic Societies. He is the recipient the Sosman Award from the American Ceramic Society, the Richard Brook Award from the European Ceramic Society, the Helmholtz International Fellow Award, the Inchon Prize from the Inchon Memorial Foundation, and the Korea Engineering Prize from the President of the Republic of Korea.

Recipient of the Richard Brook Award of the European Ceramic Society in 2015.



HONORARY FELLOWS

GARY MESSING

USA

Dr. Gary L. Messing is Distinguished Professor of Ceramic Science and Engineering, and former Head of the Department of Materials Science and Engineering at Penn State.

Messing received his B.S. degree in Ceramic Engineering at Alfred University and a Ph.D. in Materials Science and Engineering at the University of Florida.

He has published over 300 papers about processes to improve the optical, piezoelectric and structural applications of ceramics including seeding of phase transformations, sintering of layered ceramics, and templated grain growth to produce textured ceramics. Professor Messing has received numerous awards including the Richard Brook award of the European Ceramic Society, and the Jeppson and Kingery Awards of the American Ceramic Society. Messing is Fellow and Distinguished Life Member of the American Ceramic Society, Fellow of the Materials Research Society, and Academician of the World Academy of Ceramics.

He is currently President of the Advisory Board of the World Academy of Ceramics and Editor in Chief of the Journal of Materials Research.

Recipient of the Richard Brook Award of the European Ceramic Society in 2003.

HONORARY FELLOWS

VICTOR CARLOS PANDOLFELLI

BRASIL

Victor C. Pandolfelli is a Full Professor at the Materials Engineering Department, Federal University of São Carlos, São Paulo state, Brazil, from which he received his B.Sc. and M.Sc. degrees in Ceramics. He earned his Ph.D. from Leeds University (England) and spent a year as a visiting researcher at École Polytechnique in Montreal (Canada).

Until February 2017, he has authored or co-authored 486 papers in journals, 239 in proceedings, 2 books (1 international) and holds 8 patents. During his career, he has received 14 international awards (Japan, Germany, USA and Italy) and 76 national awards and distinctions for his scientific and technological achievements.

Pandolfelli is also a member of the Editorial Board of 12 scientific journals and Editor-in-chief of the Ceramics International. Since 2004 he has been the Latin-American coordinator and Member of the Board (2012 until the present) of F.I.R.E. (Federation for International Refractory Research and Education) joining 10 universities from different countries and 15 key refractory industries in the world. Pandolfelli is a Full Member of the World Academy of Ceramics (WAC), a Member of the Advisory Board of WAC, a Full Member of the Brazilian Academy of Sciences, a Full Member of the Brazilian National Academy of Engineering, Fellow of the American Ceramic Society and Member of the Technical Advisory Board of Morgan Advanced Ceramics – England. He is also Guest Professor at Freiberg University in Germany and Wuhan University of Science and Technology (WUST) in China.

HONORARY FELLOWS

YUKIO SAKABE

JAPAN

Yukio Sakabe is Director at Sakabe Ceramic Laboratory in Kyoto, Japan.

He received M.S. (1970) in Solid-state physics Kanazawa University and Ph.D., in material engineering from Kyoto University (2002). He has been Professor of Tokyo Institute of Technology (2011-2016) and Senior executive vice president of Murata Manufacturing Co., Ltd. (1970-2011).

Yukio Sakabe published 105 technical papers, holds 400 patents in the electronics ceramics. His primly filed of research is Electro-ceramics, dielectrics ceramic and he received Ferroelectric Recognition Award from IEEE (2002), Buessem Award from Penn State University (2010), and Distinguished Award from Japanese Ceramic Soc. (2015).

He is Fellow of the American ceramic Society, Fellow of the Japanese Ceramic Society and member of the World Academy of Ceramics.

Recipient of the Richard Brook Award of the European Ceramic Society in 2005.

HONORARY FELLOWS

YOSHIO SAKKA

JAPAN

Yoshio Sakka is Senior Scientist at the National Institute for Materials Science (NIMS) of Tsukuba, Ibaraki, Japan.

He received PhD in 1983 from Kyushu University for his work on cationic diffusion of zirconia solid solution systems. From 2011 to 2016 he was Unit Director at Advanced Materials Processing Unit, NIMS.

Yoshio Sakka is author or coauthor of 19 books, above 600 original referee's papers, above 100 review papers, and above 80 patents (including application); Fabrication of innovative ceramics through the development of nanoparticle processing; Fulrath award from American Ceramic Society (May, 2000), academic achievement from Japanese Ceramic Society (May, 2005), Chinese Ceramic Society Award (Oct., 2005), Academy member of World Academy of Ceramics (July, 2009), Fellow of Japanese Ceramic Society (June, 2016).

He received the Richard Brook Award from European Ceramic Society in June, 2011.

HONORARY FELLOWS

MRITYUNJAY SINGH

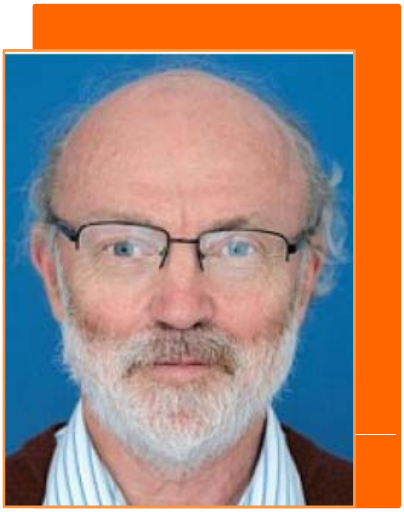
USA

Dr. Mrityunjay Singh is Chief Scientist, Ohio Aerospace Institute, Cleveland, OH. He is Past President of the American Ceramic Society and Governor of Acta Materialia, Inc. He is Academician of the World Academy of Ceramics, Italy and currently serves as Vice President of the International Board of the Academy. He received his Ph.D. in Metallurgical Engineering from Indian Institute of Technology-BHU, Varanasi, India in 1983 and did his post-doctoral work at Louisiana State University, Baton Rouge, LA and Rensselaer Polytechnic Institute, Troy, NY. He is a Fellow of the American Ceramic Society, ASM International, American Association for the Advancement of Science (AAAS), and National Academy of Inventors (NAI). He has received Honorary Doctorates from Nagaoka University of Technology in Japan in 2013 and Slovak Academy of Sciences, Slovakia in 2016.

He is recipient of more than sixty five national and international awards and prizes worldwide including many honorary and distinguished life memberships/fellowships and honorary professorships. Dr. Singh is editor/co-editor of fifty five books and proceedings; seven special journal volumes; author/co-author of fifteen book chapters/invited reviews; and more than two hundred seventy five papers in various journals and proceedings. He has delivered numerous keynote and plenary presentations in international conferences, forums, and workshops, and serves on the advisory boards and committees of more than fifteen prestigious international journals and technical publications.

Recipient of the Richard Brook Award of the European Ceramic Society in 2007.

HONORARY FELLOWS

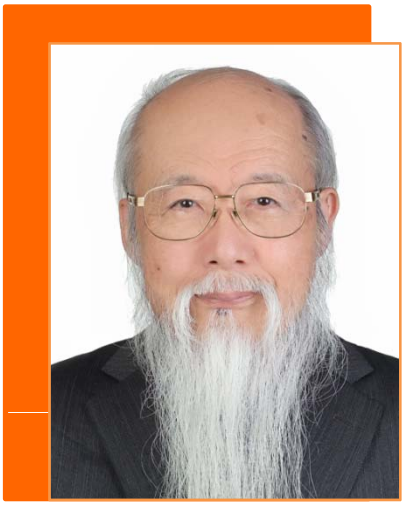


MIKE SWAIN
AUSTRALIA

Professor Michael Swain is currently professor of Bio-clinical Sciences at the Faculty of Dentistry University of Kuwait where he is the Director of the MSc course in Dental Materials Science. He was formerly head of Biomaterials, Faculty of Dentistry of the University of Otago, New Zealand, as well as the Biomaterials Science Research Unit at the University of Sydney. He graduated with a B.Sc (1969) and PhD (1973) in physics from the University of NSW, Sydney Australia. After post-doctoral experiences in the USA, UK and Europe he joined CSIRO, in Australia, working on zirconia Advanced Ceramics and subsequently Nano-mechanical Properties of materials. In 1990 he joined Sydney University where he taught in the Mechanical Engineering Department and from 1994 to the Dental Faculty.

Professor Swain has more than 600 journal publications and is co-author of three books with an h-factor of 58 and more than 15,000 citations. He has supervised more than 30 PhD students plus numerous Masters theses. His main area of research interest has been advanced ceramics and the critical role of microstructure on their properties. He is also interested in natural calcified tissue and dental restorative material systems. In 2011 he spent a sabbatical at the University of Freiburg in Germany where he was also involved in investigating the response of cells on various surfaces.

Recipient of the Richard Brook Award of the European Ceramic Society in 2013.



HONORARY FELLOWS

MASAHIRO YOSHIMURA

TAIWAN

Masahiro YOSHIMURA is Distinguished Chair Professor and Director of Promotion Center for Global Materials Research, Materials Science and Engineering at the National Cheng Kung University, Tainan City, in Taiwan. He is also Professor Emeritus of the Tokyo Institute of Technology, Tokyo, Japan.

Masahiro YOSHIMURA obtained his B.S. at 1965, M.S. at 1967 and D. Sc. in Engineering at 1970 from Tokyo Institute of Technology, Japan. He became Research Associate in 1970, Associate Professor in 1978 and Full Professor in 1985 in Materials and Structures Laboratory, Tokyo Institute of Technology. During those periods (1973-1975), he made his Post Doc. in 3 CNRS Labs (Odeillo, Orleans and Paris) in France and in 1975-1977 in Mass. Inst. Tech., USA.

He was the Director of Center for Materials Design for 1996-2002. He retired at 2008, Professor Emeritus from Tokyo Institute of Technology. After experienced several Visiting/Guest Profs. In Tohoku Univ., Japan, Univ. Limerick, Ireland, ETH Zurich, Switzerland, Inst. Metal. Res., CAS, Shenyang, China, etc. he has been in National Cheng Kung Univ., Taiwan since Feb. 2010 as a Visiting Chair Proffessor.

Now he has more than 730 peer-reviewed Papers, 84 Reviews, 3 Books (44 Book Chapters) & 30 Patents, and more than 17,000 Internatinal. Citations with h-index >60. He is nominated form Thomson-Reuter as ISI Highly-Cited Researcher (2001). He has served in 19 Organizing Chairs in various conferences and is one of the Editors of various journals.

Masahiro YOSHIMURA is Founding President (2006-2008) of the International Solvothermal and Hydrothermal Association (ISHA), President of the Advisory Board (2010-2014), Chairman of the Nomination Committee, 2002, 2004 & 2006 in The World Academy of Ceramics (WAC) and Advisory Officer, at IUMRS (Audit Elect 2007-2008, Former President of MRS-Japan).

Recipient of the Richard Brook Award of the European Ceramic Society in 2001.

FELLOWS

CHRISTOS ANEZIRIS

GERMANY

Christos Aneziris is since 2001 a professor of Ceramics at the Technische Universität Bergakademie Freiberg, Germany. He received in 1992 his Dipl.-Ing. in Metallurgy at the National Technical University of Athens and in 1996 his PhD at the RWTH Aachen and became private lecturer in 2000 with the venia legendi for “ceramic components for steel production“ at the same university.

His major field of research includes fundamental and applied aspects of modern refractories in advanced metallurgy processing routes covering areas of iron and steel clean technology and casting up to advanced casting of non ferrous low and high temperature materials, refractories in energy applications as well as non conventional processing routes of metal and ceramic matrix fine- and coarse-grain composite materials, and porous materials. He is speaker of the collaborative research center of the German Scientific Foundation (DFG) “Multifunctional Filter systems; a contribution to Zero Defect materials”, co-speaker of the collaborative research center “TRIP – Matrix – Composites” as well as he was speaker of the Priority Programme “Refractory Initiation for Reduction of Emmissions”. The results are reflected in more than 300 papers and 55 granted patents.

Christos Aneziris is a full member of the Saxonia Academy of Science in Leipzig since 2009 and since 2011 of the German Academy of Technical Science (ACATECH) and in 2017 was also elected as a distinguished life member of UNITECR. He serves as a member of the board of the German Ceramic Society since 2003 and in 2007 he was the vice-chairman of ECERS in Berlin.

FELLOWS

CSABA BALAZSI

HUNGARY

Csaba Balázsi is a scientific advisor at the Hungarian Academy of Sciences Centre for Energy Research in Budapest, Hungary. He received his MSc in materials science at Transylvania University of Brasov, Romania in 1993, PhD at University of Miskolc, Hungary in 2000 and DSc degree from Hungarian Academy of Sciences (HAS), Hungary in 2014. He was Head of the Ceramics and Nanocomposites Department in the Institute for Technical Physics and Materials Science, HAS for 7 year, after that he was appointed Director of the Institute of Materials Science and Technology of the Bay Zoltán Nonprofit Ltd. for Applied Research in 2013. He got Associate Professorship for materials science and advanced ceramics courses at University of Pannonia, Hungary in 2008.

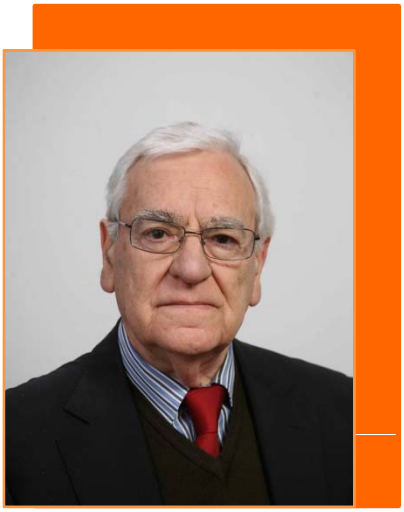
Nowadays as scientific advisor he is responsible for setting up the new R&D strategy of the ceramic related research programs of the HAS Centre of Energy Research. His research area covers high performance ceramic materials for energy, medical, sensor and high temperature applications, focusing to ceramic nanocomposites with novel structures. He pioneered research works on silicon nitride based ceramic nanocomposites reinforced with carbon nanotubes or graphene nanoplatelets, including other topics on functional nanoporous hexagonal tungsten oxide materials and bioactive ceramics from natural resources. Csaba Balazsi's research on ceramic nanocomposites has resulted in 180 scientific papers, 7 book chapters and 9 patents.

He is an active elected officer of several scientific societies including the Executive Council of the Federation of European Materials Societies (FEMS), Young Researchers Board of HAS and Bolyai Advisory Board of HAS. Csaba Balazsi has been a President of Fine Ceramic Division of Hungarian Scientific Society of Silicate Industry since 2013 and member of Council of the European Ceramic Society since 2014. He served as a Guest Editor in Journal of European Ceramic Society in 2012, has been a Topic Organizer in ECERS2015 and Chair of ECERS2017 in Budapest, Hungary.

FELLOWS

JOÃO LOPES BAPTISTA

PORTUGAL



João Lopes Baptista received his first First Degree in Physics+Chemistry at the University of Lisbon-1964 and the Ph.D. in Chemistry by University of Manchester – 1968. He is Emeritus Professor of the University of Aveiro in Portugal, at wich he joined in 1974 with the purpose to create there a Department of Ceramics Engineering. He was the de Department Chairmen during several years. As a Professor of the University of Aveiro he was also Chairmen of the Scientific Council 1982/ 83 and Vice/Rector 1986/89. He is Scientific Director of the Alentejo Biotechnology Research Centre – 2006/Present. As a member of the board of the Sociedade Portuguesa de Ceramica e Vidro he has participate in de creation of the ECERS and was member of the Editorial Board of the Journal of the ECERS.

His Materials research interests were mainly in Ceramic materials for electronic applications and in Composites for mechanical applications. In the field of ceramics he published around 150 Papers in peer reviewed journals and has 3 patents.

Due to his research activities he has been nominated Honorific Professor of the University of Xangai – 1993, Honorific Professor of the University of Zhejiang – 1997, Comendador da Ordem de Sant´Iago da Espada, by the President of Portugal 1997, Elected Member of the Portuguese Engineering Academy – 1998, Gold Medal of the University of Aveiro – 2004, Medal of Scientific Merit by de Ministry of Science of Portugal-2016

FELLOWS

JÉRÔME CHEVALIER

FRANCE

Born in 1970, Jérôme Chevalier is currently full Professor at the National Institute of Applied Sciences, in France. After receiving his PhD in 1996 (Mechanical properties of biomedical grade zirconia), Jérôme Chevalier first became Ceramic Engineer in Saint Gobain Group.

In 1997, he joined the National Institute of Applied Sciences, in Villeurbanne and became full Professor in 2004. He is currently Director of the Materials Science Laboratory MATEIS (170 people) and Deputy Director of Research of INSA-LYON in charge of 'Health Engineering'.

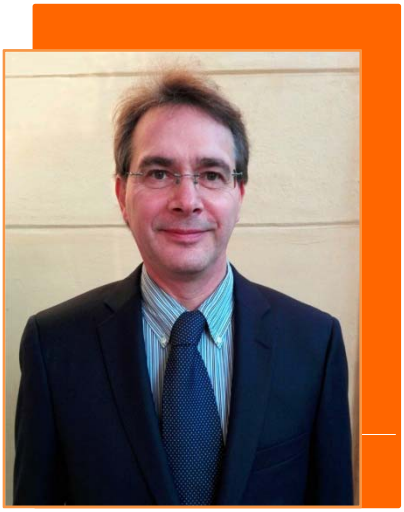
Jérôme Chevalier is mainly recognized for his work on ceramics for healthcare applications, especially on zirconia as a biomaterial and on the development of innovative glass-ceramics and calcium phosphate ceramics for bone substitute applications. His research interests are also related to the mechanical behaviour laws of ceramics under different forms. He has been involved in a large number of European projects and has coordinated recently the LONGLIFE project. He shows a strong involvement in partnerships with European companies. He has published more than 170 papers, holds 10 patents and has been cited about 5000 times (h=36). Jérôme Chevalier has been member of the 'Institut Universitaire de France' (2010-2015) and recently awarded by the French CNRS with the prestigious 'Innovation Medal' (2015).

Jérôme Chevalier is currently Editor of the Journal of the European Ceramic Society.

FELLOWS

PAOLO COLOMBO

ITALY



Paolo Colombo is a full Professor of Materials Science and Technology at the University of Padova (Department of Industrial Engineering) in Padova, Italy. He graduated in 1985 with a Laurea, Summa cum Laude, in Chemical Engineering from the University of Padova and obtained in 1988 a Diploma in Glass Engineering from the University of Padova. He was a post-doc at the University of Padova and then became an Assistant Professor there in 1990. He joined the University of Bologna in 1998 as an Associate Professor. In 2005, he came back to the University of Padova as a full Professor. He currently is also the Director of the PhD school in Industrial Engineering.

He was a Fulbright Scholar at the Pennsylvania State University (1991-92), a Foreign Scientist at INSA-Lyon (2015) and a Mercator Professor at the Technical University Bergakademie Freiberg (2016). Professor Colombo is also an Adjunct Professor at the Department of Materials Science and Engineering of the Pennsylvania State University and a Visiting Professor at the Department of Mechanical Engineering, University College London. He is an Academician of the World Academy of Ceramics, a Fellow of the American Ceramic Society, a Fellow of the Institute of Materials, Minerals and Mining and a Member of the European Academy of Sciences.

He published more than 220 papers (31 in the J. Eur. Ceram. Soc.) and co-authored 15 patents and patent applications and 2 books. His h index is 37. Has co-organized more than 80 international symposia and given more than 40 invited and plenary talks, and is in the editorial board of 8 scientific journals. He is a member of the Italian Ceramic Society, the American Ceramic Society, the Materials Research Society and the Institute of Materials, Minerals and Mining.

Professor Colombo's primary fields of research include the fabrication and characterization of highly porous ceramics and processing of Polymers-Derived-Ceramics from preceramic polymers. Current research is focused on geopolymers and on Additive Manufacturing of ceramic components at different length scales (from nanometers to meters).

FELLOWS

MICHELE DONDI

ITALY

Michele Dondi is head researcher at CNR-ISTEC, the Institute of Science and Technology for Ceramic Materials, Faenza, Italy.

He graduated in Geological Sciences at the University of Bologna and after two years as ceramic technologist at SACMI Imola, he was enrolled as researcher at ISTEC in 1988. Dondi authored over 130 papers on ISI-JCR journals and held four patents, along with around 200 industry-oriented publications on non-JCR journals, books and proceedings. He coordinated over 60 R&D projects with industries in the field of traditional ceramics. He has been visiting researcher in Argentina, Brazil, Egypt, Portugal, and Turkey.

He is a Council member of ECerS since 2015, as representative of the Italian Ceramic Society, and has been serving in the Industrial and R&D working groups."

FELLOWS

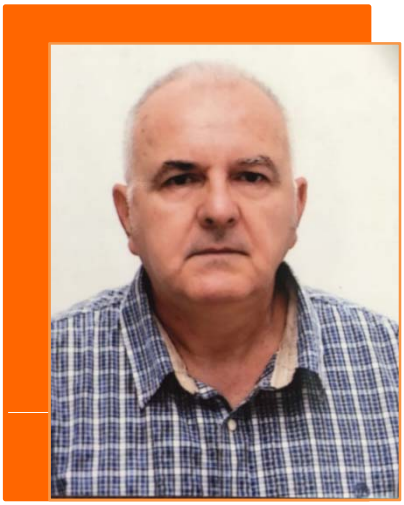
ROBERT FREER

UK

Robert Freer is Professor of Ceramics at the University of Manchester, in Manchester, UK

He obtained a BSc in Physics from the University of Newcastle upon Tyne in 1972 and subsequently the degrees of MSc in Geophysics (1973) and PhD Physics (1978) from the same institution. He was awarded a DSc by the University of Manchester Institute of Science and Technology (UMIST) in 1998. Following postdoctoral positions at the University of Strathclyde (1977-1979) and University of Edinburgh (1979-1982) he was appointed Senior Lecturer then Principal Lecturer at North Staffordshire Polytechnic (1982-1985). He moved to the Department of Materials at the University of Manchester/UMIST in 1986, becoming Professor in 1999, and serving as Head of Department from 2000 to 2004. He has published over 230 peer reviewed journal papers, served as editor for 12 volumes of conference proceedings and holds one patent. His primary field of research is functional ceramics, which has included magnetic and microwave dielectric ceramics, but has for the last decade focussed on thermoelectric materials for power generation applications. He is a Fellow of the Institute of Materials, Minerals and Mining (IoM3) and was elected a Member of World Academy of Ceramics in 2008. He was awarded the Verulam Prize and medal of IoM3 in 2007

He served on the ECerS Council for several years, and was a member of the President's Advisory Board and Chair of the Research and Development Working Group. He was President of the International Ceramic Federation from 2004-2006. He served as a member of the Journal of ECerS Trust and has been an editor of Journal of the European Ceramic Society since 2015.



FELLOWS

BRANKO MATOVIC

SERBIA

Branko Matovic obtained Dr. Rer. Nat. degree in Material Sciences from the Max-Planck Institute Stuttgart, Germany in 2003. He has developed all his scientific activity at the Institute for Refractories Magnohrom (Kraljevo, Serbia) as well as at the Institute of Nuclear Sciences Vinca (Belgrade, Serbia), where he became Research Scientist in 1989, and Full Research Professor in 2009, position that he maintains currently. He founded a Centre of Excellence for synthesis, processing and characterization of materials for application in extreme condition-CEXTREME LAB, where he is currently the director. The scientific objectives of Prof Matovic concentrate on the search for novel materials with defined microstructures and outstanding properties. Classes of materials currently under investigation include Electrides, MAX phases, UHTC, Ionic conductors, Structural, Electro-optics and Bio-ceramics.

During his career, Prof Branko Matovic supervised 15 theses, participated to several international projects and published more than 250 articles (170 in journals included in SCI), 3 book chapters. He has been member of the organization committees of around 20 national and international conferences and has pronounced more than 25 invited lectures. Also, he organized 4 International conferences. He is a member of the editorial board of the journal with SCI list (Processing and Application of Ceramics).

Branko Matovic was one of the initiators of the foundation of Serbian Society for Ceramic Materials and he is presently president of the Society. From 2007 until today he is a member of the ECerS and has been involved in the International Advisory Board and Board for ECerS student speech contest.

FELLOWS

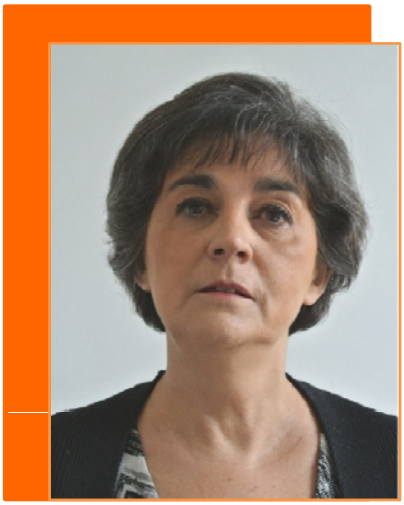
ALEXANDER MICHAELIS

GERMANY

Prof. Alexander Michaelis studied physics at the University of Düsseldorf in Germany and graduated with a diploma thesis in laser and plasma physics. Subsequently he switched to the field of physical chemistry and received his doctorate in electrochemistry. In 1995 he spend one year as faculty member at the University of North Carolina at Chapel Hill, USA. There, he worked on high temperature superconductors YBCO and Si-based microelectronic systems. In 1996 he accepted a position at Siemens AG working as senior process integration engineer in the field of microelectronics amongst others at the DRAM Development Alliance in East Fishkill, New York. In 2000, he began to work for the corporate research department of Bayer AG in Leverkusen. From there he was delegated to H.C. Starck GmbH, a Bayer subsidiary, where he was head of the Electroceramics and the New Business Development department. Furthermore, he was the managing director of InDEC B.V. working in the field of solid oxide fuel cells. During this time he also finished his state doctorate (habilitation treatise) at University of Düsseldorf.

Since 2004, he is president of the Fraunhofer Institute for Ceramic Technologies and Systems IKTS with more than 600 employees and a yearly budget of over 54 Mio €. Furthermore, he has been holding the chair of Inorganic Nonmetallic Materials at TU (technical university) of Dresden.

He holds more than 40 patent families in materials science, microelectronics, and electronics and provided more than 300 publications in scientific journals, proceedings and book chapters.



FELLOWS

LAURA MONTANARO

ITALY

Since October 2000 Laura Montanaro is full Professor of Materials Science and Technology, at the Department of applied Science and Technology (DISAT) of Politecnico di Torino, Italy. She obtained the Master degree in Industrial Chemistry at the University of Torino (Italy) in 1983 and the European Ph.D. degree in Materials Processing at the ENSM, St. Etienne and INPG, Grenoble (France) in 1990. She is scientific Responsible of the INSTM (Italian InterUniversity Consortium on Materials Science and Technology) Reference Laboratory LINCE for ceramics technology and engineering. From October 2007 to November 2011 she was vice-Head of her Department; from November 2011 to March 2012, Head of the Doctorate School and, finally, from April 2012 to February 2017, Deputy Rector of Politecnico di Torino.

Professor Montanaro is author or co-author of more than 230 papers in International Journals or Proceedings of International Conferences and holder of 12 (national or international) Patents.

Her primary fields of research concern ceramic materials and their composites for structural, high-temperature, and functional applications, in particular non-conventional syntheses and characterization of pure and composite ceramic powders, bioceramics, porous ceramics, transparent ceramics, gas and humidity ceramic sensors, cements and concretes.

Since 2012 she has been appointed corresponding Member of the Academy of Sciences of Torino (established in 1783), and Senior Scientist at the Italian Institute of Technology (IIT) – Centre of Space Human Robotics, in the period 2012 – 2014. She is Member of the Italian Ceramic Society (ICerS) and received the Award for the best biannual paper published in the Journal of the European Ceramic Society (2009-2010, “Follow up of zirconia crystallization on a surface-modified alumina powder”).

FELLOWS

VICTOR M. ORERA

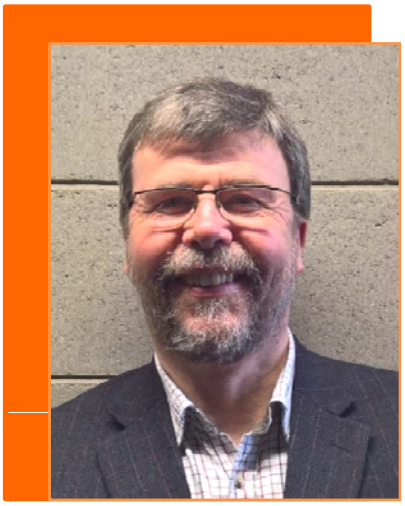
SPAIN

Victor M. Orera is Professor Emeritus of the Instituto de Ciencia de Materiales de Aragón (ICMA). Research Centre of the C.S.I.C. and University of Zaragoza (UZ), Zaragoza, Spain. He was Head of the Materials Laser Processing group (2003-10) and of the Processing and Characterization of Structural and Functional Ceramics group of ICMA (2011-2016), CSIC-Institutional Coordinator for Aragón (2005, 2011-15), CSIC Vice-President (Nov. 2005-March2006), Director of ICMA (1991-4), Scientific Coordinator of the Materials Science Division of CSIC (1994-6) and Vice-Dean of the Science Faculty of the UZ (1984-6).

He was educated at Zaragoza University and at Materials Development Division, Harwell (UK) receiving a PhD for his work on Metallic Colloids in Fluorites (1976). His career started working on Radiation Damage in Oxides at Oak Ridge first as post-PhD and then as Consultant Scientist. For the last thirty years he worked at ICMA on a wide variety of oxide materials with interest on defects and 3d-impurities, microstructure characterisation, processing techniques and structural and functional properties. Recently, he pioneered the work on solid oxide fuel cells at ICMA.

He was nominated fellow of the American Physical Society, Patrono de Honor of the Fundación para el Desarrollo de las Tecnologías del Hidrógeno, fellow of the Real Academia de Ciencias de Zaragoza and received the award of the Spanish Electroceramic Society “Epsilon de Oro”.

He has been Member of the “Sociedad Española de Cerámica y Vidrio” and Chair of the Basic Science Section of this Society from 2011 to 2015.



FELLOWS

MICHAEL J. POMEROY

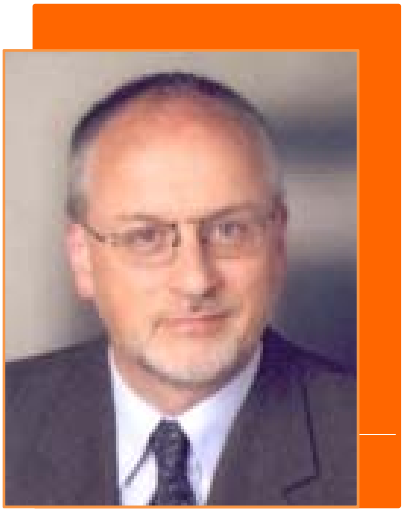
IRELAND

Michael (Mike) John Pomeroy is Professor of Materials Science & Technology at the University of Limerick, Limerick, Ireland. He hold the degrees of B. Sc. Materials Science & Chemistry (Wolverhampton University), M. Sc. Surface Technology and Management Techniques (University of Aston in Birmingham and his, Ph. D. was on Corrosion in Coal-fired systems (Wolverhampton University).

Mike has held the following positions at the University of Limerick: 1979 – 1983 Research Fellow in combustion of low-grade coals1983 – 1985 Research Fellow in Nitride Ceramics and 1985 – 2000 Lecturer at the University of Limerick. He as published more than 200 technical articles, including 92 in ISI indexed journals. Mike's primary field of research is aimed at understanding i) the influence of residual glass on the properties of silicon nitride ceramics, ii) the crystallisation of such glasses and iii) the corrosive degradation of ceramic materials by air or combustion / engine impurities. Mike is currently editing the Ceramics Section of an Elsevier reference module in Materials Science & Materials Engineering. Recent awards / honours for his research and development work include: Winner University of Limerick Innovation Award (2011), the shortlist for the Institution of Engineers of Ireland Engineering Excellence award (2011) and the shortlist for the prestigious Praxis-Unico Impact [Collaborative Impact category] award (2012).

Mike is a founder member of Irish Materials Forum (1983) and member of ECerS since 2011.

FELLOWS



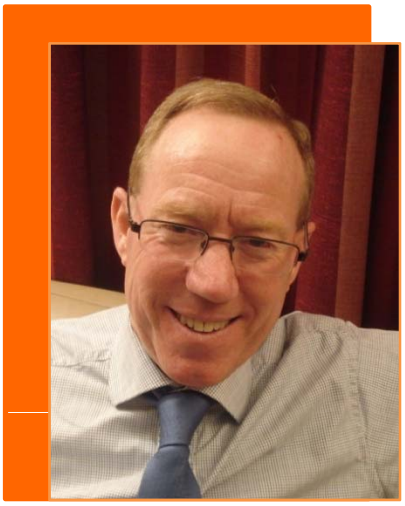
ANDREAS ROOSEN

GERMANY

Andreas Roosen became a professor for Glass and Ceramics at the Department of Materials Science of the University of Erlangen-Nuremberg in 1995.

He studied Glass and Ceramics at the Technical University of Berlin (Diplom-Ingenieur), where he also received his PhD in the Institute of Nonmetallic-Inorganic Materials in 1984 under the guidance of Prof. Hans Hausner. After employment as a research associate at the Federal Institute for Materials Testing (BAM) Berlin, he was a visiting scientist at the Massachusetts Institute of Technology, USA for 18 months in the Ceramics Processing Research Laboratories of Prof. H. Kent Bowen. In 1986 he joined HOECHST AG, Frankfurt am Main as an executive employee, heading the group of Functional Ceramics at the Corporate Research Department. His research is focused on colloidal ceramics processing, tape casting, ceramic multilayer technology and printed electronics, encompassing both fundamental as well as industry oriented projects. His research has resulted in more than 215 papers and 26 patents. In 2010 Andreas Roosen received the Böttger award from the German Ceramic Society (DKG); in 2013 he was appointed Adjunct Professor of the Technical University of Denmark (DTU), Copenhagen, co-operating with the Department of Energy Conversion and Storage.

Since 2008 Andreas Roosen has been a member of the board of the German Ceramic Society (DKG) and from 1997 to 2003 he was the German delegate of the European Working Group “Education”.



FELLOWS

DAVID SMITH

FRANCE

David Smith is a member of the SPCTS laboratory and a full professor at the Ecole Nationale Supérieure de Céramique Industrielle in Limoges (France). He graduated in 1980 from the University of St. Andrews, Scotland with a B.Sc. Honours degree in physics and followed up with graduate studies at Queen's University, Canada leading to an M.Sc. (1982) and a Ph.D. (1986). This work in the field of applied physics, involved a.c. impedance measurements of ß-alumina and zirconia ceramics as well as the associated electrode reactions. After the Ph.D., David Smith joined the staff at the Ecole Nationale Supérieure de Céramique Industrielle (ENSCI) leading to appointment as assistant professor in 1988 and full professor in 2002. From 1991 to 2007, he was in charge of international relations at ENSCI promoting the growth of a network of student exchanges with institutions involved with ceramics in Europe, Japan and N. America. From 2008 to end 2014, David Smith was director of the "Groupe d'Etude des Matériaux Hétérogènes" (GEMH), a research laboratory of 60 people devoted to heterogeneous mineral materials. In research, David Smith is author or co-author of 89 reviewed papers and 1 patent. He started working first on electrical properties and in particular, from 1987 to 1997, the relations between preparation, microstructure and electric behavior of ceramic superconductors. Since 1998, with the creation of the GEMH, his research activities have been devoted to thermal properties of mineral materials with special attention on the role of pores and grain boundaries for thermal conductivity of oxide ceramics. The group in Limoges has now published more than 50 papers in this domain. Recent developments concern the thermophysical behaviour of green bodies during drying and firing.

D. Smith has been a member of the Groupe Français de la Céramique (GFC) since 1988. He represented the GFC on the Educational Working Committee of the European Ceramic Society, participating in the jury of the student speaking contest continuously from 2005 to 2015. He acted as chair of the organizing committee of the first European Ceramic Society Summer School, held in Limoges in June 2013 on the theme of "Ceramic Science and Technology for the 21st Century" as well as being part of the local committee for the 13th European Ceramic Society meeting.

The European Ceramic Society

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- Denmark
- Finland
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- Georgia
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- Hungary
- Ireland
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- The Netherlands
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Permanent Secretariat:

Av. Gouverneur Cornez 4
B-7000 Mons – Belgium

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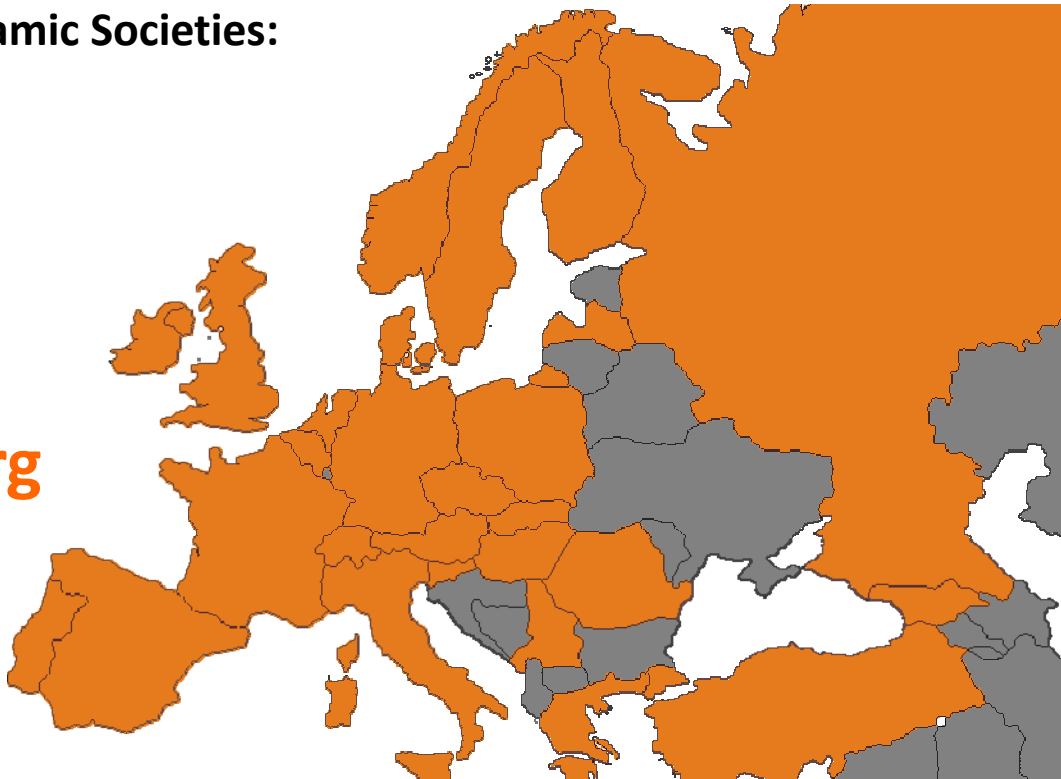

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