

IUPESM exists to contribute to the advancement of physical and engineering sciences in medicine for the benefit and wellbeing of humanity.



**IUPESM FELLOW
1980-2020**


**THE INAUGURAL FELLOWS OF IUPESM (1980-2020):
THE OUTSTANDING INTERNATIONAL LEADERS OF
MEDICAL PHYSICS AND BIOMEDICAL ENGINEERING**

In 2020 IUPESM has c. 150,000 members in 102 countries. IUPESM is a member of the International Science Council, together with all 140 National Science Academies in the world, hence this IUPESM Fellowship has a standing similar to a Member of Academy.


Congratulation to all elected Inaugural Fellows of IUPESM

IUPESM Administrative Council (2018-2022)
The International Union for Physical and Engineering Sciences in Medicine

IUPESM Fellow: Prof. John Mallard



Prof. John Mallard
University of Aberdeen, UK



Service

- IUPESM Foundation Group Member, 1975
- First IUPESM President 1980-1985
- Serve in various IUPESM Committees
- Member IOMP Foundation Group
- First IOMP Secretary General, 1962-1965
- IOMP President 1979-1982
- Served IOMP ExCom and various committees
- IPEM President

Achievement

- Pioneering Role in MRI Imaging research
- Pioneering Role in PET Imaging research
- Founding role for IOMP and IUPESM
- One of the 50 outstanding medical physicists 2013

Honours and Awards

- IOMP John Mallard Award established 2016
- IUPESM Award of Merit, 1988
- Order of the British Empire
- IoP Fellow
- IPEM Fellow

IUPESM Fellow: Prof Robert L. Clarke



Prof. Robert L. Clarke
Carleton University, Canada
Awarded Posthumously



Service

- IUPESM Founding Group member, 1975
- IUPESM Founding Sec-General, 1980-1985
- Serve in various IUPESM Committees
- Serve in various IOMP Committees
- Founding role in medical physics in Canada
- Secretary General of Canadian CAR


Achievement

- Founding of IUPESM and suggesting its name
- Leading role in medical physics educational standards in the world


Honours and Awards

- Robert L. Clarke Scholarship founded in Canada
- AAPM Fellow

IUPESM Fellow: Prof. John "Jack" Hopps



Prof. John "Jack" Hopps,
National Research Council of Canada, Canada
Awarded Posthumously



Service

- IUPESM Founding Group member 1975
- IUPESM Secretary-General, 1985 – 1988
- IFMBE President, 1971 – 1974
- IFMBE Secretary General, 1976 - 1985
- Founding President, Canadian Medical and Biological Engineering Society, 1965

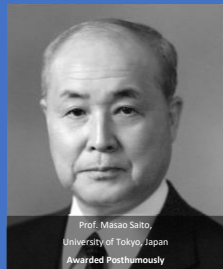
Achievement

- Co-invented the world's first cardiac pacemaker. This significant technical and scientific achievement continue to improve the lives of millions of people the world over. Left a legacy of medical devices and instruments that help people with a variety of disabilities.

Honours and Awards

- Officer in the Order of Canada
- IUPESM Merit Award
- Leadership Award, Alliance for Engineering in Medicine and Biology
- General A.G.L. McNaughton Award, IEEE
- Distinguished Scientist Award, North American Society for Pacing and Electrophysiology.

IUPESM Fellow: Prof. Masao Saito



Service

- IUPESM Vice-President, 1982 - 1985
- IFMBE President, 1979-1982
- Served as IFMBE AC and various Committees member for 12 years

Achievement

- Guided many policy-making national committees in Japan for engineering for infants and senior persons, in various aspects of care, positive life, assistive devices, manpower problems and industries. Strong interest in interaction of high technologies with human thought and published books, which is expected to guide many misdirected research efforts to the right way.

Honours and Awards

- IUPESM Merit Award (BME), 2000
- IFMBE Honorary Life Member, 1985
- IAMBE Fellow, 1997
- Fulbright Exchange Program at UPenn, U.S.A, 1959-1960

IUPESM Fellow: Prof. Oivind Lorentsen



Service

- IUPESM President, 1985 – 1988
- IFMBE President, 1982 – 1985
- IFMBE AC Member, 1973 - 1982

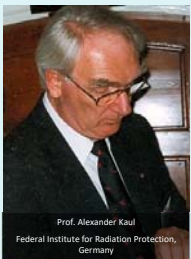
Achievement

- Development of Assistive Technology Devices and services to enhance the daily life of people with disabilities and the elderly
- Initiating and responsible for building up a National Center for Rehabilitation Technology, and establishing a network of county centers for service provision.

Honours and Awards

- Advocate of Rehabilitation Technology, Co-founder of EATS and TELEMATE programs
- Awarded His Majesty The King's Medal of Merit in Gold for national achievements in the field of Rehabilitation Technology

IUPESM Fellow: Prof. Alexander Kaul



Service

- IUPESM Vice-President, 1985-1988
- Serve in various IUPESM Committees
- IOMP President 1982-1985
- IOMP Vice-President 1979-1982
- Serve in various IOMP Committees
- President German Society DGMP
- EFOMP Founding ETC Chair 1980

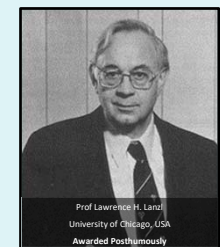
Achievement

- Leading role in medical physics in Europe
- Active role in radiation protection research

Honours and Awards

- Hanns-Langendorff-Medal
- Bundesverdienstkreuzes
- Honorary member EFOMP

IUPESM Fellow: Prof Lawrence H. Lanzl



Service

- IUPESM President, 1988-1991
- Serve in various IUPESM Committees
- IOMP President 1985-1988
- IOMP Vice-President 1982-1985
- Serve in various IOMP Committees
- AAPM President

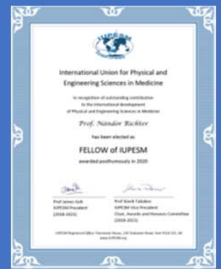
Achievement

- Leading role in medical physics educational standards in USA and the world

Honours and Awards

- William D. Coolidge Gold Medal
- Farrington Daniels Award
- AAPM Fellow

IUPESM Fellow: Prof. Nandor Richter



Service

- IUPESM Vice-President, 1988 - 1991
- IFMBE President, 1985 - 1988
- Board Member, Hungarian Academy of Engineering

Achievement

- Served as a UN expert in the field of health-related technical activities. An expert for project evaluations in the EU and for UN agencies (UNIDO, WHO). Head of Product Development and Design Laboratory of Medior, the largest medical equipment company in Central Europe.

Honours and Awards

- Kolos Richard Award
- Csáki Frigyes Memorial Medal
- Dr. Katona Zoltán Medal
- Founding Fellow, International Academy for Medical and Biological Engineering
- Honorary Life Member, IFMBE
- Honorary Life Member, Hungarian National Society of Medical Engineering

IUPESM Fellow: Prof. Robert Nerem



Service

- IUPESM President, 1991 to 1994
- IFMBE President, 1988 - 1991
- AIMBE President, 1992-1994
- TERMIS President, 2002 to 2004
- Council Member, National Academy of Engineering, 1998 - 2004
- Founder of IAMBE

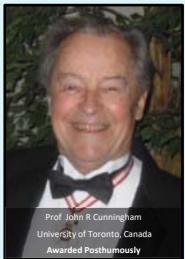
Achievement

- An outstanding mentor, educator and statesman, a highly regarded leader in the global Biomedical Engineering community. Strong advocate of integration, bringing BME communities around the world together and collectively with one voice to effectively raise public policy issues.

Honours and Award

- IUPESM Hopps Award, 2015
- National Academy of Engineering, 1988
- Institute of Medicine, National Academy of Sciences, 1992
- Fellow of American Academy of Arts and Sciences; American Association for the Advancement of Science
- ASME's H.R. Lissner Award, 1989; AIMBE's Pierre Galletti Award, 2002; NAE's Founders Award, 2008

IUPESM Fellow: Prof. John R Cunningham



Service

- IUPESM Vice-President, 1991-1994
- Serve in various IUPESM Committees
- IOMP President 1988-1991
- IOMP Vice-President 1985-1988
- Serve in various IOMP Committees
- President Canadian Soc. COMP

Achievement

- Leading role in medical physics education
- Leading role in radiotherapy development
- One of the 50 outstanding medical physicists 2013

Honours and Awards

- IOMP Marie Curie Award
- William D. Coolidge Gold Medal
- CAP/COMP Memorial Peter Kirkby Medal
- COMP Medal for "outstanding contributions to the field of medical physics in Canada"
- Officer of the Order of Canada
- AAPM Fellow
- CAP Fellow

IUPESM Fellow: Prof. Orest Roy



Service

- IUPESM Secretary General, 1991 - 1994
- IFMBE Secretary General, 1988-1991
- Canadian Medical and Biological Engineering Society President, 1976 to 1980

Achievement

- Instrumental in establishing Technical Aids and Systems for the Handicapped (TASH). Awarded the Walter Dinsdale Award for exceptional achievement in the development of technical aids for the benefit of disabled persons.

Honours and Awards

- Fellow, Rehabilitation Society of North America
- Honorary Life Member, IFMBE
- Senior Member, IEEE

IUPESM Fellow: Prof. Niilo Saranummi



Service

- IUPESM President, 1994 – 1997
- IFMBE President, 1991 – 1994
- Co-Founder of EAMBES and HL7 Finland
- Editor-in-Chief, IEEE Transactions of Information Technology in Biomedicine

Achievement

- A distinguished engineer and remarkable scientist who left a deep impact in the field of biomedical engineering and health informatics worldwide.

Honours and Awards

- Fellow of FACTE, IAMBE, AIMBE, IEEE, EAMBES and HL7
- IFMBE Otto Schmitt Award

IUPESM Fellow: Prof Udipi Madhvanath



Service

- IUPESM Vice-President, 1994-1997
- Serve in various IUPESM Committees
- IOMP President 1991-1994
- IOMP Vice-President 1988-1991
- Serve in various IOMP Committees
- Founding member and President of Indian Society AMPI
- Editor AMPI Medical Physics Bulletin
- Chair Asia Congress of Medical Physics, 1992

Achievement

- Leading role in medical physics in Asia

Honours and Awards

- Dr. Ramaih Naidu award
- AFOMP Outstanding Medical Physicist
- AMPI Fellow

IUPESM Fellow: Prof. Jos Spaan



Service

- IUPESM Secretary General, 1994 – 1997
- IFMBE Secretary General, 1992-1998
- Chair, IFMBE Publications and Federation Journal Committee, 1988-1991
- EAMBES President, 2005
- MBEC Editor in Chief, 2006-2012

Achievement

- Applied biomedical engineering principles for the understanding of the mechanics, control and blood distribution in the coronary circulation and the role of the endothelial glycocalyx.

Honours and Awards

- Knight in the Order of the Dutch Lion
- Fellow of American Heart Association and Cardiovascular Section of the American Physiological Society
- Fellow of IAMBE; AIMBE; EAMBES
- Isaac Starr Lecture (2004) CDS, Banff, Canada
- Wiggers Award, American Physiological Society 2015
- IUPESM Awards of Merit, 2018

IUPESM Fellow: Prof Keith Boddy



Service

- IUPESM President 1997-2000
- Serve in various IUPESM Committees
- IOMP President 1994-1997
- IOMP Vice-President 1991-1994
- Served IOMP ExCom and various committees
- EFOMP President
- IPREM President

Achievement

- Leading role in ICSU recognition of IUPESM membership
- One of the 50 outstanding medical physicists 2013

Honours and Awards

- IUPESM Award of Merit, 2000
- Glazebrook Medal of IoP
- Order of the British Empire
- Honorary Doctorate, De Montford University
- Fellow of IPREM, IoP, BNMS, RCR, BIR, SRP

IUPESM Fellow: Prof. Kajiya Fumihiko



Prof. Kajiya Fumihiko
Kawasaki Medical School, Japan



Service

- IUPESM Vice-President, 1997-2000
- IFMBE President, 1994 – 1997
- Served in various capacity in IFMBE for 18 years (1982-2000)

Achievement

- Basic and clinical biomedical engineering mainly in the cardiovascular fields.

Honours and Awards

- IUPESM Award of Merit (BME), 2015
- IAMBE Fellow

IUPESM Fellow: Prof. Gary Fullerton



Prof. Gary Fullerton
University of Texas, USA



Service

- IUPESM Secretary General, 1997-2003
- Serve in various IUPESM Committees
- IOMP Secretary General, 1997-2003
- Served IOMP ExCom and various committees
- Co-President WC 1988
- AAPM President

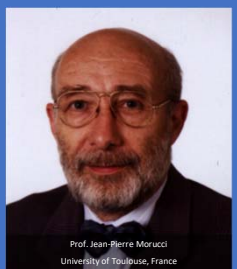
Achievement

- Leading role in ICSU recognition of IUPESM membership
- Active role in Latin America medical physics development

Honours and Awards

- IUPESM Award of Merit, 2009
- Silver Medal International Society of Magnetic Resonance in Medicine 2002
- Fellow of AAPM; ACR; ISMRM; IOMP

IUPESM Fellow: Prof. Jean-Pierre Morucci



Prof. Jean-Pierre Morucci
University of Toulouse, France



Service

- IUPESM President, 2000 – 2003
- IFMBE President, 1997 – 2000
- French representative at the Commission of the European Communities (Brussels) in the Concerted Action Committee for Biological and Medical Engineering (1980-1990)

Achievement

- Advancement of Bioelectrical Impedance Techniques in Medicine

Honours and Awards

- Ampère Award, 1997
- Fellow Emeritus, International Academy of Medical and Biological Engineering

IUPESM Fellow: Prof. Colin Orton



Prof. Colin Orton
Wayne State University, USA



Service

- IUPESM Vice- President, 2000-2003
- Serve in various IUPESM Committees
- IOMP President, 1997-2000
- IOMP Vice-President, 1994-1997
- IOMP Secretary-General, 1988-1994
- Served IOMP ExCom and various committees
- AAPM President
- IMPCB President

Achievement

- One of the 50 outstanding medical physicists, 2013
- Editor-in-Chief of J. "Medical Physics"

Honours and Awards

- IOMP Marie Curie Award
- IUPESM Award of Merit
- AAPM Coolidge Award
- ACMP Marvin M. D. Williams Award
- Ulrich Henschke Award, ABS
- IOMP Fellow

IUPESM Fellow: Prof. Kwan Hoong Ng



Prof. Kwan Hoong Ng
University of Malaya, Malaysia



Service

- IUPESM AC Member, 2000 – 2006
- Served IOMP ExCom and various committees
- SEFOMP Founding President, 2000-2006
- AFOMP President, 2010-2012

Achievement

- Active role in establishing medical physics activities in South-East Asia
- Active role in radiation protection research
- Active role in IOMP education/training activities
- One of the 50 outstanding medical physicists 2013

Honours and Awards

- IOMP Marie Skłodowska- Curie Award
- IOMP Award for IDMP
- Academy of Sciences Malaysia Fellow
- Fellow of IOMP; IoP
- Included in the 100 Asian Scientist, 2019

IUPESM Fellow: Prof. Inger-Lena Lamm



Prof. Inger-Lena Lamm
Lund University Hospital, Sweden



Service

- IUPESM AC Member, 2000 – 2006
- Serve in various IUPESM Committees
- Serve in various IOMP Committees
- EFOMP President
- Swedish Society SHPA President

Achievement

- Leading role in medical physics in Europe and establishing educational standards
- Active member of the pioneering e-learning projects

Honours and Awards

- Co-awarded EU Leonardo da Vinci Award
- IEC Award 2016
- Honorary member EFOMP
- Honorary member Swedish SHPA

IUPESM Fellow: Prof. Azam Niroomand-Rad



Prof. Azam Niroomand-Rad
Georgetown University, USA



Service

- IUPESM AC Member, 2000 – 2007
- IUPESM Vice-President, 2006- 2007
- Serve in various IUPESM Committees
- IOMP President, 2003 – 2006
- IOMP Vice-President, 2000-2003
- Editor Medical Physics World Newsletter
- Served IOMP ExCom and various committees

Achievement

- Active role in ILO recognition of medical physicists and biomedical engineering profession in ISCO
- Active role in founding of IUPAP Medical Physics Commission
- Active role in IOMP education/training activities

Honours and Awards

- IOMP Marie Skłodowska- Curie Award
- AAPM Achievement in Med Physics Award
- Fellow of AAPM; ACR; IOMP

IUPESM Fellow: Prof Oskar Chomici



Prof. Oskar Chomici
Polish Medical Physics Society, Poland
Awarded Posthumously



Service

- IUPESM President, 2003-2006
- Serve in various IUPESM Committees
- IOMP President 2000-2003
- IOMP Vice-President 1997-2000
- Serve in various IOMP Committees
- Polish Society PTFM President

Achievement

- Active role in medical physics development in developing countries
- Founding member of Polish Society PTFM

Honours and Awards

- Honorary Member of EFOMP
- Honorary member Polish PTFM
- Knight of Gold Cross for Merit
- IOMP Fellow

IUPESM Fellow: Prof. Dov Jaron



Service

- IUPESM Vice President, 2003 - 2006
- IFMBE President, 2000 - 2003
- ICSU Executive Board, 2008-2014

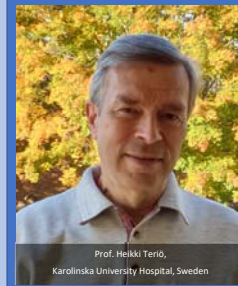
Achievement

- Dynamic, multiscale cardiovascular models that had led to the development, optimization, and clinical implementation of the cardiac assist device - the Intra-aortic balloon pump; and using the innovative models to elucidate complex mechanisms in the microcirculation.

Honours and Awards

- Fellow of IAMBE; AIMBE; IEEE; BMES
- Fellow of American Association for the Advancement of Science; Academy of Surgical Research; World Academy of Biomedical Technology
- IUPESM Merit Award (BME)
- Foreign member, Polish Academy of Sciences

IUPESM Fellow: Prof. Heikki Teriö



Service

- IUPESM AC Member, 2003 - 2010
- IUPESM Secretary General, 2003 - 2010
- IFMBE Secretary General, 1997 - 2003
- Chair, IFMBE Clinical Engineering Division, 2006-2009

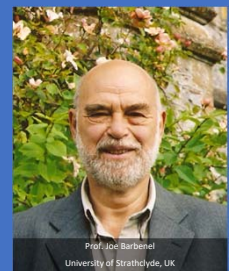
Achievement

- Development of education/training in biomedical engineering internationally and supporting/strengthening management and maintenance systems of medical equipment in order to increase patient safety in emerging countries through development of international co-operation

Honours and Awards

- IFMBE Honorary Life Member, 2018
- Honorary Life Member, Swedish Society for Medical Engineering, 2018

IUPESM Fellow: Prof. Joe Barbenel



Service

- IUPESM AC Member, 2003 - 2009
- IFMBE AC Member, 1988 - 1994
- Chair, IFMBE Constitution and Bylaws Committee, 2002-2012
- EAMBES Founding Member, 2003; Council Member, 2003-2006; Chair Academic Division 2003-2009
- President, Biological Engineering Society, UK

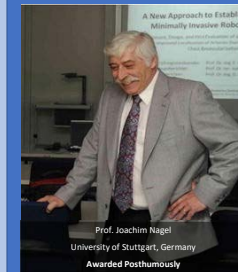
Achievement

- Contributed extensively to secure global acceptance of Biomedical Engineering as an independent Academic discipline appropriate for research, teaching, and clinical application, and as a profession. Developed BME Postgraduate Courses in University of Patras, Greece and Chongqing University, China. Initiated discussion on formation of IPBM.
- Research expertise in structure and properties of the soft tissues to direct clinical applications.

Honours and Awards

- Founding Fellow EAMBES, 2012
- Presidents Medal, Society of Cosmetic Scientists
- Lifetime Achievement Award, European Pressure Ulcer Panel

IUPESM Fellow: Prof. Joachim Nagel



Service

- IUPESM AC Member, 2003 - 2012
- IUPESM President 2006 - 2009
- IFMBE President 2003 - 2006
- Founding Member, EAMBES

Achievement

- Led initiatives to increase visibility and importance of biomedical engineers and medical physicists in medicine and health.
- Research expertise in the cardiovascular monitoring, and physiology, medical imaging, Bio-MEMS, neurosciences, biological effects as well as therapeutic applications of ultrasound, and patient safety

Honours and Award

- IUPESM Award of Merit (BME), 2012
- Fellow of IAMBE; BMES; AIMBE; IoP
- Founding Fellow, EAMBES
- Honorary Life Member, IFMBE
- Academician Member, UNESCO/IATI World Academy of Biomedical Technologies

IUPESM Fellow: Prof. Peter H. S. Smith



Service

- IUPESM AC Member, 2003 – 2009
- IUPESM Treasurer, 2006 – 2009; 2012 – 2015
- Served in various IUPESM Committees
- IOMP Secretary General, 2003 – 2009
- Served IOMP ExCom and various committees
- EFOMP Treasurer
- IPEM President-Elect

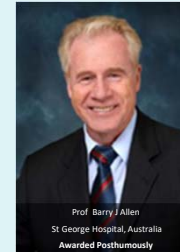
Achievement

- Active role in ILO recognition of medical physicists and biomedical engineering profession in ISCO
- Active role in IOMP – WHO relations
- Chair, IOMP 2001

Honours and Awards

- IUPESM Award of Merit (MP), 2015
- IPEM Fellow
- IOMP Fellow

IUPESM Fellow: Prof Barry J Allen



Service

- IUPESM AC Member, 2003 – 2015
- IUPESM President 2009-2012
- IUPESM Vice-President, 2008-2009
- Served various IUPESM committees for 12 years
- IOMP President 2006-2009
- IOMP Vice-President 2003-2006
- Served IOMP ExCom and various committees
- AFOMP President
- Australasian ACPSEM President
- Co-President WC 2003

Achievement

- Leading role in medical physics in Asia and Oceania
- One of the 50 outstanding medical physicists 2013

Honours and Awards

- AFOMP Outstanding Medical Physicist Award
- Order of Australia Medal
- AioP Fellow
- ACPSEM Fellow
- IOMP Fellow

IUPESM Fellow: Prof. Makoto Kikuchi



Service

- IUPESM AC Member, 2003 – 2012
- IUPESM Vice-President, 2009-2012
- IFMBE President, 2006 – 2009
- Served in various capacity in IFMBE for 24 years (1989-2009)
- Japan Association for the Advancement of Medical Equipment (JAMME) President, 2020
- President of Mindful Home Care Product Design Research Institute

Achievement

- Development of BME profession worldwide through his activities and services with the government and industry sector.
- Started the Strategy Planning Committee of the METIS Consortium in Japan (2003).
- Active in Japanese Industrial Standard Committee more than 25 years, and chaired the JSC Medical Device and Equipment more than 15 years

Honours and Awards

- IFMBE Honorary Life Member 2015
- Kelvin Premium, IEE
- Medical Instrument Society of Japan Award
- Magna cum Laude Citation, American Society of Neuroradiology
- Japanese Society of Laser Surgery and Medicine Award
- Ministry Medal, Ministry of International Trade and Industry (MITI) of Japan
- Decoration of 3rd Order of the Sacred Treasure (Japan)

IUPESM Fellow: Prof. Ratko Magjarevic



Service

- IUPESM AC Member, 2003 – 2022
- IUPESM Vice-President, 2015-2018.
- Served in various IUPESM Committees, ie Union Journal, Nominating & Awards Committees etc.
- IFMBE President, 2012 – 2015
- IFMBE Vice-President, 2009- 2012; 2018 – 2022
- IFMBE Secretary-General, 2003 - 2009
- Served IFMBE AC and various committees, ie Awards, Conference, Federation Journal, Nominating & Publicity Committees.

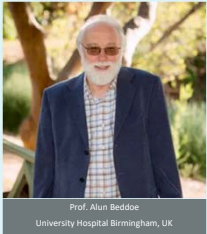
Achievement

- Dayen of Croatian biomedical engineering, has in addition to his research, scholarly and mentorship achievements played a key role in building a worldwide network of biomedical engineering mainly through his engagement in IFMBE and IUPESM.

Honours and Awards

- Golden Medal "Josip Lončar", University of Zagreb, 2014
- Honorary Senator, University of Ljubljana, Slovenia, 2013
- Honorary Member, Society for Medical and Biological Engineering of Bosnia and Herzegovina, 2015
- Recognition of the Senate of the Republic of Colombia for excellence in his career and his constant work in progress and the development of bioengineering and science in Colombia and worldwide, 2009
- IFMBE medal for "extraordinary services, exceptional dedication and outstanding contributions", 2006

IUPESM Fellow: Prof. Alun Beddoe



Prof. Alun Beddoe
University Hospital Birmingham, UK



Service

- IUPESM AC Member, 2006 - 2009
- President of the Australasian ACPSEM
- Served various IUPESM committees
- Editor of J. New Zealand Medical Physics and Bio-medical Engineering
- Editor of J. Australasian Physical and Engineering Sciences in Medicine
- Editor-in-Chief Physics in Medicine and Biology

Achievement

- Active role in medical physics education and training standards and of publishing

Honours and Awards

- AFOMP Outstanding Medical Physicist Award
- ACPSEM Fellow
- IPSEM Fellow
- IoP Fellow

IUPESM Fellow: Prof. George Mawko



Prof. George Mawko
Queen Elizabeth II Health Science Centre,
Canada



Service

- IUPESM AC Member, 2006 – 2009
- Serve in various IUPESM Committees
- IOMP Treasurer, 2006 – 2009
- Editor Medical Physics World Newsletter
- Served IOMP ExCom and various committees

Achievement

- World Congress and ICMP Finance Com, from 2003 - 2009

Honours and Awards

- CCPM Fellow
- COMP Fellow
- IOMP Fellow

IUPESM Fellow: Prof. Antonio Fernando Catelli Infanteozzi



Prof. Antonio Fernando Catelli Infanteozzi
Federal University of Rio de Janeiro, Brazil
Awarded Posthumously



Service

- IUPESM AC Member, 2006-2012
- IFMBE AC Member,
- SBEB President, 1979-1981; 1994-1996; 2000-2002
- Latin American Regional Council on Biomedical Engineering (CORAL) President, 2001-2004

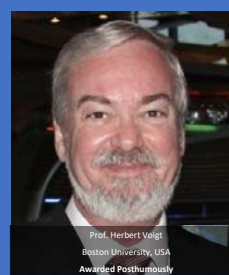
Achievement

- Prof Fernando played a fundamental role in the development of the Brazilian Journal of Biomedical Engineering, which subsequently re-named the International Research on Biomedical Engineering journal. He became an expert on biosignal processing, with particular emphasis on Neural Engineering, the main focus of his long career.

Honours and Awards

- Giulio Massarani Prize, COPPE Institute (UFRJ) 2009

IUPESM Fellow: Prof. Herbert Voigt



Prof. Herbert Voigt
Boston University, USA
Awarded Posthumously



Service

- IUPESM AC member, 2006 - 2018
- IUPESM President, 2012-2015
- IFMBE President, 2009-2012
- AIMBE President, 2006-2007
- BMES President, 1999

Achievement

- Contributed extensively to global health, notably his travel to Nigeria, Sweden, Malaysia and Peru. Recipient of a Fulbright Scholarship to the Pontifical Catholic University of Peru (2014-15) to develop a new biomedical engineering PhD program and worked with Peru's National Institutes of Health to create a research program to detect heavy metals in biological samples.

Honours and Awards

- Fellow, American Institute of Medical and Biological Engineering
- CCNY Alumni Career Achievement Award, 1994
- Fulbright Scholarship (Peru), 2015
- Alpha Eta Mu Beta's Outstanding Dedication and Service Award, 2016
- BMES's President's Award, 2002 & Distinguished Service Award, 2004
- IEEE Distinguished Lecturer, 2012-2013

IUPESM Fellow: Prof. Fridtjof Nuesslin



Prof. Fridtjof Nuesslin
Technische Universität München, Germany



Service

- IUPESM AC Member, 2006 - 2015
- IUPESM Vice-President, 2012 - 2015
- Served in various IUPESM Committees, 2006 - 2015
- IOMP President 2009-2012
- IOMP Vice-President 2006-2009
- President EFOMP

Achievement

- Active role in ILO recognition of medical physicists and biomedical engineering profession in ISCO
- Fostering the IUPESM role in the formation of ICSU Bio Cluster
- One of the 50 outstanding medical physicists 2013
- Active role in IOMP - WHO relations
- Active role in IOMP - IUPAP relations
- Editor-in-Chief European Journal Medical Physics

Honours and Awards

- Richard-Glockner-Award of the DGMP
- Honorary member EFOMP
- Honorary member Med. Phys. Societies of Czech Rep., Saudi Arabia,
- Honorary member of German and Austrian Soc. Radio Oncology
- IOMP Fellow

IUPESM Fellow: Prof. Shankar M. Krishnan



Prof. Shankar M. Krishnan
Wentworth Institute of Technology, USA



Service

- IUPESM AC Member, 2006 - 2022
- IFMBE President, 2018 - 2022
- Served IFMBE Administrative Council for the past 17 years, as Treasurer, Secretary General, Vice President and President

Achievement

- Served over 30 years in academia, R&D in MedTech industry, consultancy, design, commissioning, operations management in hospitals; founded and led three Biomedical Engineering programs (in Illinois, Singapore, and Boston); Designed, developed, and managed modern teaching and research labs, earned two cycles of successful ABET accreditation

Honours and Awards

- CIMIT Kennedy Innovation Award,
- Fellow, American Institute of Medical and Biological Engineering
- Henry C. Lord Chair Professorship

IUPESM Fellow: Prof. Caridad Borrás



Prof. Caridad Borrás
George Washington University, USA



Service

- IUPESM AC Member, 2006 - 2009
- IUPESM HTTG Chair, 2006 - 2009
- Served in various IUPESM Committees
- IOMP Science Com Chair 2000-2009
- Served IOMP ExCom and various committees
- AAPM Intern. Educ. Activities Com Chair

Achievement

- Active role in IOMP professional/scientific activities
- Leading IUPESM HTTG Book Rural Health Centres
- Active role in Latin America medical physics development
- One of the 50 outstanding medical physicists 2013

Honours and Awards

- IUPESM Award of Merit, 2009
- IOMP Award for IDMP
- AAPM Achievement in Med Physics Award
- Fellow of AAPM, ACB, HPS, IOMP
- Diplomas and Recognition awards of societies of Spain, Brazil, Peru, Cuba, Middle East

IUPESM Fellow: Prof. Kin Yin Cheung



Prof. Kin Yin Cheung
Hong Kong Sanatorium & Hospital, PR China



Service

- IUPESM AC Member, 2009 - 2022
- IUPESM President 2015-2018
- Served various IUPESM committees
- IOMP President 2012-2015
- IOMP Vice-President, 2009-2012
- IOMP ExCom member 2006 - 2018
- Served IOMP ExCom and various committees
- AFOMP Founding President

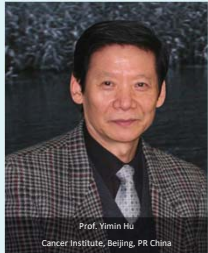
Achievement

- Leading role in medical physics in Asia and establishing of AFOMP
- Leading role in establishing the definition of roles & responsibilities of medical physicists
- Active role in IOMP education/training activities
- Active role in IOMP - WHO relations

Honours and Awards

- AFOMP Outstanding Medical Physicist Award
- IOMP Fellow

IUPESM Fellow: Prof. Yimin Hu



Service

- IUPESM AC Member, 2009 - 2015
- Served various IUPESM committees
- AFOMP President
- Served IOMP ExCom and various committees
- President Chinese Society CSMP
- Chief Editor, Chinese Journal of Medical Physics
- WC2012 Co-President

Achievement

- Leading role in medical physics in Asia
- One of the 50 outstanding medical physicists 2013

Honours and Awards

- Prize Development of Medical Science and Technology, Chinese Academy
- AFOMP Outstanding Medical Physicist Award
- IOMP Fellow

IUPESM Fellow: Prof. James Goh



Service

- IUPESM AC Member, 2009 – 2022
- IUPESM Secretary General, 2010 – 2015
- IUPESM President, 2018 – 2022
- IFMBE President, 2015- 2018
- IFMBE Secretary General, 2006 - 2012

Achievement

- Pioneered BME education and activities in Singapore, actively engage regional development of BME programs. Foster global BME community through closer interactions. Expertise in Orthopaedic Biomechanics and Musculoskeletal Tissue Engineering.

Honours and Awards

- Fellow, American Institute of Medical and Biological Engineering
- Fellow, ASEAN Academy of Engineering and Technology
- Fellow, Institute of Engineers Singapore

IUPESM Fellow: Prof. Slavik D. Tabakov



Service

- IUPESM AC Member, 2009 - 2022
- IUPESM Treasurer, 2009-2012
- IUPESM Vice-President, 2018-2022
- Serve in various IUPESM Committees
- IOMP President, 2015 – 2018
- IOMP Vice-President, 2012-2015
- IOMP Treasurer, 2009-2012
- Served IOMP ExCom and various committees

Achievement

- Develop/Lead the first Med. Phys. e-Learning
- Develop/Lead MP Encyclopaedia+Dictionary
- Active role in IOMP education/training activities in Low-Middle Income countries
- Active role in IOMP – WHO relations
- Co-Editor-in-Chief J. Med. Phys. International
- Co-Director ICTP College on Medical Physics
- Established IOMP Company

Honours and Awards

- IOMP Harold John Medal
- Lead co-award EU Leonardo da Vinci Award
- Medals/Diplomas of societies of Bulgaria, UK, Lithuania, Thailand, India, Middle East
- Dr Hon. Causa Medical Univ. Plovdiv, Bulgaria
- Fellow of IPEM, IOMP and HEA

IUPESM Fellow: Prof. Madan Rehani



Service

- IUPESM AC Member, 2009 – 2022
- IOMP President, 2018 – 2022
- IOMP Vice-President, 2015-2018
- IOMP Secretary General 2009-2015
- Served IOMP ExCom and various committees

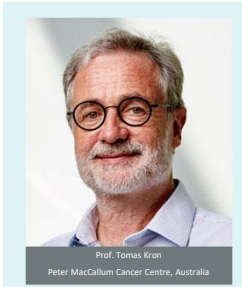
Achievement

- One of the 50 outstanding medical physicists 2013
- Active role in radiation protection research
- Active role in IOMP – WHO relations

Honours and Awards

- IOMP Harold John Medal
- Butterfly Award by Image Gently 2015
- Homi Bhabha Oration, 1999
- Dr. K.M. Rai Oration, 2001
- Honorary Membership of Society for Pediatric Radiology, 2011
- IOMP Fellow

IUPESM Fellow: Prof. Tomas Kron



Service

- IUPESM AC Member, 2009 - 2015
- Served various IUPESM committees
- IOMP Awards & Honours Com Chair
- Served IOMP ExCom and various committees
- President of the Australasian ACPSEM
- IMPCB Board member

Achievement

- Leading role in medical physics in Asia
- One of the 50 outstanding medical physicists 2013

Honours and Awards

- IOMP Award for IDMP
- AFOMP Outstanding Medical Physicist Award
- Order of Australia Medal
- ACPSEM Fellow
- IOMP Fellow

IUPESM Fellow: Prof. De Pei Liu



Service

- IUPESM AC Member, 2012 – 2015
- IUPESM WC 2012 Chair
- IFMBE AC Member, 2006 - 2009
- Co-Chair, IFMBE Strategic Planning Committee (2009-2012),

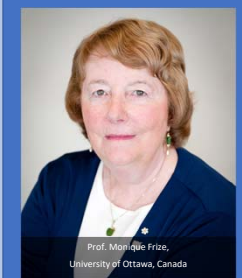
Achievement

- Contributions to scientific insights and higher education leadership in biomedical engineering

Honours and Award

- Fellow, International Academy of Medical and Biological Engineering (2013)

IUPESM Fellow: Prof. Monique Frize



Service

- IUPESM AC member, 2012-2018
- Chair, IUPESM WIMPBME Committee
- IFMBE AC and Chair, CoS, 2015-2022
- Chair, IFMBE Clinical Engineering Division, 1985-1990

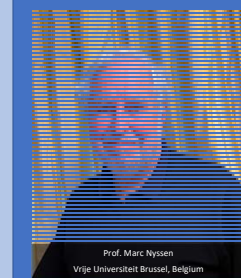
Achievement

- Contributed extensively in BME education for 20 years, after 18 years as a clinical engineer in hospitals. Enjoyed sharing clinical engineering knowledge and experience with students, supervising their thesis (over 85 of them), and publishing over 200 papers in refereed journals and conference proceedings.

Honours and Awards

- Athlone Fellow (1967-1969)
- Officer, Order of Canada (OC) in 1993
- Fellow, Canadian Academy of Engineering (1992)
- Gold Medal, Professional Engineers Ontario (2000)
- Fellow (2012) and Life Member (2015) of IEEE
- Fellow of CMBES (2015); Engineers Canada (2010)

IUPESM Fellow: Prof. Marc Nyssen



Service

- IUPESM AC Member, 2015 – 2022
- IUPESM Treasurer, 2015-2018
- Serve in various IUPESM Committees from 2003 – 2021, for instance Union Journal, Nominating & Awards Committees just to name a few.
- IFMBE Treasurer, 2012 - 2022
- Served IFMBE AC and various committees for the past 15 years from 2006 – 2022, for instance Secretaries Committee.

Achievement

- Privileged to witness the birth and rising of electronic and ICT technologies and was able to design systems and contribute to their deployment, assisting thousands of patients and health care professionals and teaching talented students.

Honours and Awards

- Member, Royal Belgian Academy of Overseas Sciences
- Founding Member, Belgian National Committee on Biomedical Engineering

IUPESM Fellow: Prof. Eva Bezak



Prof. Eva Bezak
University of South Australia, Australia



Service

- IUPESM AC Member, 2015- 2022
- Served various IUPESM committees
- Founding member and Chair of IUPESM Women in MP and BME Task Group
- IOMP Secretary General 2019-2022
- Served IOMP ExCom and various committees
- President of the Australasian ACPSEM
- AFOMP Vice-President
- WC2025 Co-President

Achievement

- Leading role in medical physics in Asia and women in medical physics

Honours and Awards

- IOMP Award for IDMP
- Women's Honour Roll, S.Australia
- ACPSEM Fellow

IUPESM Fellow: Prof. Ákos Jobbágy



Prof. Ákos Jobbágy,
Budapest University of Technology and
Economics, Hungary



Service

- IUPESM AC member, 2015 – 2018
- IFMBE AC member, 2006 - 2012
- Served as Chair in numerous IFMBE committees from 2003 -2021, for instance National Secretaries' Committee, Membership Committee, IFMBE Constitution and Bylaws Committee

Achievement

- Development of devices and algorithms for early diagnosis and objective assessment of patients with neural and cardiovascular diseases

Honours and Awards

- Honorary Life Member of IFMBE, 2015
- Order of Merit of the Hungarian Republic, Knight Cross, 2008

IUPESM Fellow: Prof. Kang Ping Lin



Prof. Kang Ping Lin,
Chung Yuan Christian University, Chinese
Taipei



Service

- IUPESM AC member, 2015-2022
- Chair, IUPESM Public & Intl Relations Comm, 2015-2022
- IFMBE Secretary General (2015 – 2022)
- Editor, IFMBE NEWS (2009-2015)

Achievement

- Linking and serving in biomedical engineering and medical physics communities particularly in the areas of biomedical imaging, bio-signals and medical devices.

Honours and Awards

- 2019 TSBME Wei Han Biomedical Engineering Service Award
- 2017 ACCE (USA) Antonio Hernandez International Clinical Engineering Award
- 2016 Chinese Institute of Engineers: Outstanding Engineering Professors Award
- 2013 Fellow, International Academy of Medical and Biological Engineering (IAMBE)

IUPESM Fellow: Prof. Virginia Tsapaki



Prof. Virginia Tsapaki
Konstantopoulo Gen. Hospital Athens, Greece



Service

- IUPESM AC Member, 2015 – 2019
- Served IUPESM various committees
- IOMP ExCom member 2012 – 2019
- IOMP Secretary General, 2015-2019
- Served IOMP ExCom and various committees
- Editor Medical Physics World Newsletter
- Founding Chair of IOMP Women Sub-Com.
- EFOMP Committees Chair
- President Greek Society HAMP

Achievement

- Active in role in medical physics in Europe and establishing professional standards
- Active role in radiation protection research

Honours and Awards

- IOMP Award for IDMP
- Appreciation Diploma Middle East
- IOMP Fellow

IUPESM Fellow: Prof. Howell Round



Prof. Howell Round
University of Waikato, New Zealand



Service

- IUPESM AC Member, 2015 - 2018
- IUPESM Secretary General 2015-2018
- Served various IUPESM committees
- Served IOMP various committees
- President of the Australasian ACPSEM
- AFOMP Secretary General 2012-2018

Achievement

- Leading role in medical physics in Asia and establishing educational standards

Honours and Awards

- IOMP Award for IDMP
- AFOMP Outstanding Medical Physicist Award
- ACPSEM Fellow
- IOMP Fellow

IUPESM Fellow: Prof. Magdalena Stoeva



Prof. Magdalena Stoeva
Medical University Plovdiv, Bulgaria



Service

- IUPESM AC Member, 2018 - 2022
- IUPESM Treasurer, 2018 - 2022
- Serve in various IUPESM Committees
- IOMP ExCom, 2015 - 2022
- Serve in various IOMP Committees
- Editor IUPESM Health & Technology Journal
- Editor Medical Physics World Newsletter
- Technical Editor J. Med. Phys. International

Achievement

- Leading role in IT of Med. Phys web sites development - Encyclopaedia, MPI Journal, MPW Newsletter, e-learning, IOMP.org, IOMP Women Sub-com
- Active member of the pioneering e-learning projects

Honours and Awards

- IUPAP Young Scientist Award Medical Physics
- Co-awarded EU Leonardo da Vinci Award
- IOMP Fellow

IUPESM Fellow: Prof. John Damilakis



Prof. John Damilakis
University of Crete, Greece



Service

- IUPESM AC Member, 2018 - 2022
- IOMP ExCom member 2012 - 2022
- IOMP Vice-President, 2018-2022
- Served IOMP ExCom and various committees
- EFOMP President
- President Greek Society HAMP

Achievement

- Active role in radiology dosimetry research
- Active role in radiation protection research
- Active role in IOMP education/training activities

Honours and Awards

- Walter E. Berdon Award of The Society for Pediatric Radiology
- IOMP Fellow

IUPESM Fellow: Prof. Timo Jämsä



Prof. Timo Jämsä
University of Oulu, Finland



Service

- IUPESM AC member, 2018-2022
- Co-Chair, IUPESM Edn & Trg Comm, 2018 - 2022
- IFMBE AC and EA-RGR, 2016-2021
- President, EAMBES, 2019-2021

Achievement

- Leadership and significant contribution in biomedical engineering education and research locally, at the European level, and internationally

Honours and Awards

- EAMBES Fellow (2016)
- Knight, First Class, Order of the White Rose of Finland (2011)
- Clinical Biomechanics Award 2004, European Society of Biomechanics

IUPESM Fellow: Prof. Geoffrey S. Ibbott



Service

- IUPESM AC Member, 2018 – 2022
- Serve in various IUPESM Committees
- IOMP Scientific Com Chair 2013 – 2022
- AAPM Award and Honors Com Chair
- AAPM President
- ABR Board of Governors member
- IEC 62C Chair

Achievement

- Leading specialist on radiotherapy - dosimetry standards and uncertainty of calibrations

Honours and Awards

- Farrington Daniels Award
- AAPM Fellow
- IOMP Fellow
- ACR Fellow
- ASTRO Fellow

IUPESM Fellow: Prof. Stephen Keevil



Service

- IUPESM AC Member, 2018 – 2022
- IUPESM HTTG Chair, 2018 – 2022
- Serve in various IUPESM Committees
- IOMP Company Group, 2015 – 2018
- President IPEM, UK 2013-2015

Achievement

- Leading role in the Alliance for MRI, related to the EU Physical Agents (EMF) Directive
- Active member of the pioneering e-learning projects
- Active role in establishing IOMP Company

Honours and Awards

- Co-awarded EU Leonardo da Vinci Award
- IPEM Fellow
- IoP Fellow
- ESMR Fellow
- Honorary Member, Royal College of Radiologists

IUPESM Fellow: Prof. Leandro Pecchia



Service

- IUPESM AC member, 2018 - 2022
- IUPESM Secretary General, 2018 - 2022
- IFMBE AC and Chair, HTA Division, 2015- 2018

Achievement

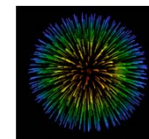
- Significant contribution in enhancing biomedical signal processing for patient monitoring in real setting, using wearable sensors and machine learning.

Honours and Awards

- Pilot Manager, Odin Project, 2020
- Large Scale Pilot Manager, Gatekeeper Project, 2019
- IFMBE Young Investigator Competition Award, ICBHI 2019 Taiwan
- Clinical Engineering Best Paper Award, 2018
- Fellow, British Higher Education Academy, 2017

Currently IUPESM has 150,000 members in 102 countries
For these 40 years about 500 distinguished colleagues from all over the world
were elected in the various Committees and the Leadership of IUPESM

The IUPESM Administrative Council (2018-2022) expresses its deep gratitude to all
colleagues who were part of the IUPESM activities and contributed to this success!



HAPPY ANNIVERSARY!

