



GO AHEAD, GET AHEAD

IEC YOUNG PROFESSIONALS 2015 WORKSHOP DRAFT AGENDA



SUNDAY 11 OCTOBER

19.30 – 21.00 Welcoming reception

MONDAY 12 OCTOBER – DAY ONE

- 8.00 – 10.15** Plenary opening, *J. Nomura*
IEC: the home of industry, *F. Vreeswijk*
Looking ahead, *K. Fraga*
Message from the 2014 Young Professional Leaders, *T. Jalal*
What to expect at a technical meeting, *D. Chew*
Q&A session on IEC operations, *Moderated by R. McLaren*,
panelists: D. Chew, M. Cocimarov, K. Fraga, A. Santos
- 10.45 – 12.30** Standardization: strategic advantages and challenges for companies, *P. Bernard*
Breakout session – Part 1
Morning wrap-up, *R. McLaren*
- 12.30 – 13.30** *Lunch with the SMB or CAB members*
- 13.30 – 15.15** Observe the SMB or CAB meeting
- 15.45 – 17.30** Develop a mock standard for an electronic baby robot, *B. Opatsuwan*
Day one wrap-up, *R. McLaren*
- 18.00** IEC General Meeting Opening Ceremony

TUESDAY 13 OCTOBER – DAY TWO

- 7.30 – 8.30 *Breakfast with your National Committee*
- 9.00 – 10.15 Standards development: an expert's story, *J. Rosales*
Special session on the CAB, *D. Hanlon*
- 10.30 – 12.30 Observe a designated technical meeting
- 12.30 – 13.30 *Lunch*
- 13.30 – 17.30 Special session on the SMB, *J. Matthews, J. Sheldon*
Breakout session – Part 2
Plenary closing session
Industry's perspective, *V. Ballivian*
Day two wrap-up, *R. McLaren*
- 19.30 Young Professionals dinner

WEDNESDAY 14 OCTOBER – DAY THREE

- 9.00 – 10.30 Interactive sessions
- Conformity assessment for Electronic Components (IECQ), *S. Allan*
 - IEC standards development processes, *R. Baillif*
 - Low voltage direct current (LVDC) and its implications for Developed and Developing Economies, *V. Mahendru*
 - Smart Manufacturing and Industry 4.0, *A. McMillan*
- 10.45 – 12.30 IEC YP Leaders session, *C. Carlson, T. Jalal, L. Ohtsuka, B. Opatsuwan*
- 12.30 – 13.30 *Lunch*

The Host Committee is organizing an industry visit to Minskenergo, Belarus' biggest energy producer, on Wednesday afternoon 14 October.

BACKGROUND ON THE SPEAKERS



Junji Nomura – IEC President

Dr Junji Nomura became IEC President on 1 January 2014, for a three-year term, having served as President-Elect since 1 January 2013. Having been CTO since 2004, Dr Nomura is currently the Corporate Advisor, Energy Solution Business Promotion, at Panasonic Corporation. He was a member of the industrial association LonMark International until 2004 and is currently a member of the industrial technology committee of Nippon Keidanren and of, among others, a study group within the Japanese Ministry of Economy, Trade and Industry. He is also a Fellow of the Operations Research Society of Japan.



Frans Vreeswijk – IEC General Secretary & CEO

Mr Frans Vreeswijk became IEC General Secretary and CEO on 1 October 2012, having served as Deputy General Secretary since 1 March 2012. Prior to joining IEC Central Office, he worked for 30 years for Philips in the Netherlands, Austria and the USA, notably in research, healthcare and consumer electronics areas. Previously he was President of the Dutch National Committee of the IEC (NEC) and has served on the IEC CB and SMB as well as representing the Netherlands in CENELEC.



Katharine Fraga – IEC Head of Governance and Global Strategy

Working for the IEC since 2004, Ms Katharine Fraga was originally involved in the IEC's conformity assessment activities before moving to the General Secretary's office in 2008, holding responsibilities associated with the IEC's members and with management bodies. Currently she is Secretary of the Council, Council Board, Executive Committee and the Finance Committee and is the manager of the Young Professionals programme. Katharine has substantial experience in setting and implementing organizational strategy, stakeholder engagement, membership issues and strategic partnerships with other organizations.



Thahirah Jalal – Asset Intelligence Specialist, Unison Networks Limited

Dr Thahirah Jalal graduated with Honours in Engineering Science from Oxford University, United Kingdom. She had also completed a PhD in Electrical Engineering from University of Canterbury, New Zealand. She has a vast experience in research and development through an early career in the academic world, in multiple fields of electrical engineering. Currently, she is co-leading the Asset Intelligence team in Unison Networks Limited, New Zealand. With Unison's implementation of its Smart Grid Initiative since 2009, big data is quickly becoming an important field in Unison. The Asset Intelligence team develops algorithms that automatically convert smart grid data into meaningful information that is useful for network operation, management and development. Thahirah's current technical interest is in developing intelligence for transformers. She is actively involved in the development work as well as collaborating with various research partners such as universities, research agencies, innovation companies and New Zealand's Ministry of Business, Innovation and Employment.



Dennis Chew – IEC Regional Director, Asia-Pacific Regional Centre

Mr Dennis Chew has been actively involved in international and regional standardization and related work for more than 15 years. He had served as the Secretary to the Singapore National Committee of the IEC before setting up the IEC Asia-Pacific Regional Centre (IEC-APRC) in 2002.

As Regional Director of the IEC-APRC, Dennis has been actively promoting the IEC and encouraging the use of IEC international standards and conformity assessment systems to both industry and government bodies across the Asia-Pacific region.

Dennis has extensive knowledge and experience on standards and conformance infrastructure and developments in APEC and ASEAN, having been involved in the development and implementation of the ASEAN Harmonized Regulatory Regime for Electrical and Electronic Equipment, regional Mutual Recognition Arrangements and the regional harmonization of standards and regulatory requirements.



Matei Cocimarov - Technical Officer

Mr Matei Cocimarov has an engineer degree in industrial automation. He worked some 15 years for Swiss and US companies in the field of data acquisition systems, computer aided design, instruments control and consulting in Geneva.

He joined the IEC Central Office in 1993 and has under his responsibility various IEC Technical Committees and Subcommittees in the area of multimedia, IT, electrical vehicles, industrial automation, coaxial cables, etc. Matei is also in charge of the ACEA (Advisory Committee on Electromagnetic Compatibility) secretariat.



Robert McLaren – IEC Young Professionals programme coordinator

Mr Robert McLaren studied International Relations at the Graduate Institute of International studies in Geneva, Switzerland. He then worked in Marketing for Caterpillar Inc. before joining the IEC in 2012. He is currently working in the Central Office as the IEC Young Professionals programme coordinator and will be running the workshop in Minsk.



Amaury Santos – IEC Latin America Regional Director

Mr Amaury Santos is an Electrical Engineer who has a Bachelor of Civil Law with a Specialization in International Business and Trade.

Since 2006 he is responsible for the IEC Latin America (& Caribe) Regional Centre that is located in São Paulo, Brazil.

He has over 20 years of professional experience in multinational companies in the commercial areas of business, marketing and technical products and systems for low, medium, high and extra high voltage equipment and systems.



Patrick Bernard – Vice-President Head of Standardization & Industry Relations Strategy, Schneider Electric

Head of Standardization & Industry Relations Strategy for Schneider Electric, Mr Patrick Bernard belongs to the Corporate Strategy & Technology team of the Schneider Electric Group. During the last 35 years, he has occupied several managerial positions within Schneider Electric group in the technical, industrial and marketing fields notably for Power capacitors, Low voltage installation products, Industrial control and Services businesses.

Largely engaged within the International Electrotechnical community (standardization, trade associations and consortia) he is notably President of the French Electrotechnical Committee (CEF) and IEC Council Board member among other roles. He has been and is still particularly active in governance of trade & standardization associations and notably the Cenelec High Level group and in the positioning of the Electrotechnical Community in the fields of Energy Efficiency, Smart Grid, Electrical Vehicle, Smart Cities & Communities and Conformity Assessment.



Beer Opatsuwan - Network Substation Standards Engineer, Energex Limited

Mr Beer Opatsuwan is a Chartered Professional Electrical Engineer for Energex, an electricity distribution company responsible for providing electricity to customers in South-East Queensland, Australia. Beer joined Energex in 2008 and held a variety of roles in the areas of asset management, technical standard development, network capital investment and planning, substation and network design, commissioning, project management, and smart grid trial initiatives. Prior to joining Energex, Beer worked for SKM (now Jacobs) and Wood & Grieve Engineers as a consulting engineer. Beer currently holds a position as the Network Substation Standards Engineer at Energex, overseeing standards, policies, and development of a broad range of electricity assets. Beer is a recipient of the Standards Australia Young Leaders Program and IEC Young Professionals Program placement in 2014. In 2015, Beer is the recipient of Queensland Young Professional Engineer of the Year Award by the Institution of Engineers Australia. Beer is a motivated engineer who feels connected with the community and able to impact the lives of the people who use electricity in a positive way.



Juan Rosales – Regulatory Intelligence Leader, Mabe

Mr Juan Rosales is an Industrial Engineer with a Master Degree in Engineering Administration, actively involved in standardization and conformity assessment for household appliances, representing one of the major manufacturers in Latin America (mabe) and working as Regulatory Intelligence Leader. Juan has occupied the positions of Technical Expert for Auditing Labs at the Mexican Accreditation Entity and President of the Appliances Section for the Mexican Chamber of Electrical Manufacturers (2011 to 2014). Since 2013 he is chairing the Mexican Standards Committee for Household Appliances, mirror to IEC TC 61, from 2015 he became a member of the Mexican National Committee Council. Regionally Juan is coordinating the Pan-American Working Group at COPANT in charge of IEC 60335-1 adoption and works as Chairman of THC 61 of the Council for Harmonization of Electrotechnical Standards of the Nations in the Americas (CANENA). In the IEC arena, Juan has been appointed as Mexican head delegate for IEC TC 61, contributing to the SMB ahG 47 tasks (Robotic Appliances) and TC 59/WG 15 (Smart Appliances). In July 2015 he was nominated by the Mexican National Committee for the IEC TC 61 Chairmanship.



David Hanlon – IEC CAB Secretary

Before becoming the Conformity Assessment Board (CAB) Secretary in 2012, Mr David Hanlon worked with IEC technical committees as a Technical Officer. David has a Bachelor in Electrical Engineering from the UNSW in Sydney Australia and an Executive MBA in Management of Technology (MoT) from the EPFL in Lausanne, Switzerland. Prior to joining the IEC, David's 30 years career spanned diverse professional experience in technical, commercial and management areas across 3 continents mainly in international SMEs focused on industrial manufacturing including his own 10 year start-up during the 1990s.



James E. Matthews III – IEC Vice-President

Mr James E. Matthews, now serving his second term, began his first term as Chairman of the Standardization Management Board and IEC Vice-President on 1 January 2011. He has worked for Corning Incorporated for more than 31 years. At present, he is Director of worldwide standards engineering activities for multiple business divisions across Corning Incorporated. He was President of the US National Committee until the end of 2010 and serves on the board of the American National Standards Institute (ANSI), which holds the US NC Secretariat. In 2011, he was awarded the Astin-Polk International Standards Medal by ANSI and in 2012 he received the Leo B. Moore award from the Society for Standards Professionals.



Jack Sheldon – IEC Standardization Strategy Manager

Mr Jack Sheldon has worked at the IEC since 1983 and initially worked in standards development with responsibility, amongst others, for the creation of IEC/TC 100 (Multimedia systems and equipment). He was influential in the transformation of the IEC from a paper-based to a paperless organization and was instrumental in setting-up TISS, the IEC's helpline to its community. More recently he was responsible for setting up the IEC's Market Strategy Board, responsible for medium to long term market and technology overview.

He currently occupies the position of Standardization Strategy Manager, which includes the secretariat of the SMB (Standardization Management Board), and is responsible for Strategic Development in the IEC.

Prior to joining the IEC he worked as an electronics engineer in a number of IT and telecommunications companies in the United Kingdom, France and Germany.

Born in 1954, Jack Sheldon has an MA in Natural Sciences from Cambridge University and an MBA from the Open University.



Victor Ballivian – General Manager, International Electrical Manufacturers Association in Chile

Mr Victor Ballivian is an electrical electronic engineer with a Global Executive MBA (GEMBA) from the European Institute of Business Administration (INSEAD) in Fontainebleau, France.

Since 2007 he is General Manager of the International Electrical Manufacturers Association in Chile. He was responsible for the creation of the Chile National Committee of the IEC in 2010, becoming President until today. Prior to 2007 he worked for more than ten years at ABB Chile as Country Manager and later as ABB Vice President for Colombia, Venezuela, Central America and the Caribbean with headquarters in the USA.

He has over 40 years of international professional experience in the electrical and Industrial field.



Steve Allan - Business Manager IECQ System & Projects Officer IECEx System Technical Team Member of the IECQ & IECEx Secretariats

Mr Steve Allan has 30 years of experience in the electrical electronic engineering industry with specific involvement in design and manufacturing of equipment, primarily for use in explosive atmospheres, and intrinsically safe design techniques.

Design and manufacturing of this equipment included the selection and qualification of electrical and electronic components, selection and control over the suppliers and sub-contractors including the manufacture of printed wiring boards and loading of sub-assemblies and related procurement of components purchased by them.

Steve has a long standing involvement in quality management systems from both the development and implementation of systems and the evaluation and auditing of such as a second party auditor, in addition to the overall role of managing compliance systems to satisfy both national and international product certification requirements.



Rémy Baillif – IEC Technical Department Manager

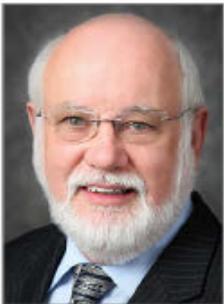
Mr Rémy Baillif joined the IEC Central Office in 1996 where he worked as Technical Officer in standards development with several IEC Technical Committees. He currently occupies the position of Technical Department Manager.

A graduate of the Federal Polytechnic School in Zurich (Switzerland) with a diploma in physics, Rémy obtained his doctorate from the University of Geneva (Switzerland) with a thesis on applied superconductivity. He worked for 12 years in a telecommunications company in the capacity of R&D specialist.



Vimal Mahendru – President, Legrand-India

Mr Vimal Mahendru is the President of Legrand-India, a subsidiary of the French multi-national Legrand with global sales of Euro 4.7 Billion. Legrand-India, comprises of four divisions; Legrand, Indo Asian, Numeric and Adlec. He assumed this role in September 2010, the same year he became the President of IEEMA, the Indian Electrical and Electronics Manufacturers' Association. In his present role, he continues to guide the strategic initiatives of the company, especially forays into new and emerging markets. Since January 1, 2015, Vimal is also the elected board member of the IEC Standardization Management Board (SMB) for a period of three years. Simultaneously, he is the Convener of the IEC Systems Evaluation Group 4 (SEG4) for Low Voltage Direct Current Applications, Member of the Indian National Committee of the IEC and Chairman of the Bureau of Indian Standards (BIS) Mirror Committee for IEC TC 32 – Fuses.



Alexander McMillan – International Product Standards & Regulations Independent Contractor

Mr Alexander (Alec) McMillan graduated in 1968 with a degree in Electrical Engineering from the University of Aston, Birmingham, England. He is a chartered member of the Institute of Electrical Engineers in the U.K. a member of the Institute of Electrical and Electronics Engineers (IEEE) and a senior member of the International Society of Automation (ISA) in the USA. Alec joined Allen-Bradley / Rockwell Automation Europe headquarters in 1985 and transferred to the US in 1989.

In his 29 year career with Rockwell Automation Alec held positions of increasing responsibility in the development of Advanced Architecture and Technology for Industrial Automation Applications and also served as Director, Global Product Standards and Regulation reporting to the Chief Technical Officer.

Alec is currently the primary US representative on the IEC Standards Management Board (SMB), and the Vice-president and chair of the USNC technical committee. He also serves on the American National Standards Institute (ANSI) board and International Policy Committee. He is co-convener of the IEC SMB Strategic Group 8 addressing impact of smart manufacturing and industry 4.0 on the development of IEC standards.



Craig Carlson – Electrical Engineer, Eskom

Mr Craig Carlson was born in Johannesburg, South Africa in 1987. He received his M.Sc. Engineering (Electrical) degree from the University of the Witwatersrand in 2012. Following this he started his career with Eskom Holdings Limited, after receiving a bursary for his studies from them. Some of his responsibilities include being the lead integration engineer for the Ankerlig transmission to Koeberg second supply project; business process owner for the Manage Technical Risk process; as well as convener of the Eskom steering committee of technology workgroups for the Technology Type List and the Technology Metadata Standard guidelines. His exposure at Eskom has given him a strong skill set including the development and integration of engineering solutions; project planning; team management and leadership. His interests lie within the field of Smart Grids, and as such he is currently pursuing active involvement in the South African National Committee with aspirations to be nominated to IEC TC 8 - Systems aspects for electrical energy supply, as an expert in his field.



Leo Ohtsuka - Conformity Assessment expert, Ministry of Economy, Trade and Industry (METI)

Mr Leo Ohtsuka works for METI (Ministry of Economy, Trade and Industry) and engages in planning policy for certification and accreditation. Before starting his carrier in METI, he had 12 years experience of working in certification body, JQA (Japan Quality Assurance Organization). He started his career in JQA as a testing engineer of household appliances based on IEC 60335 and PSE law since 2003. After five years' experience as a testing engineer, he transferred to the factory inspection division. He conducted factory inspections based on many certification schemes, S-JQA, CSA, CCC, PSE and so on, not only domestic factories but also factories in south-east Asian countries.