

Programme

07:45 – 08:15	Registration
08:15 – 08:20	Welcoming remarks and introduction of the conference Chair Mr Paul Meanwell, <i>IECEX Chair</i> <i>Mr Chris Agius, IECEx Executive secretary & Mr Paul Meanwell, IECEx Chair</i>
08:20 – 08:25	Welcome to Singapore by IEC National Committee of Singapore <i>Ms Sauw Kook Choy, Director-General of Quality & Excellence Enterprise Singapore</i>
08:25 – 08:45	Keynote address <i>Mr Jo Cops, IEC President</i>
08:45 – 09:30	Overview of the global hydrogen market and initiatives <ul style="list-style-type: none"> ■ Current market demand and trade flows ■ Renewable and low carbon hydrogen projects ■ Highlights of COP28 regarding global hydrogen initiatives <i>Ms Daria Nochevnik, Director Hydrogen Council, IEA H₂TCP Task 47 H₂ Certification Manager</i> <ul style="list-style-type: none"> ■ Safety and sustainability – global perspective <i>Dr Andrei V Tchouvelev, Director Hydrogen Council, Chair ISO/TC 197/SC1, IEA H₂TCP Task 43 H₂ Safety Manager</i>
09:30 – 10:00	Industry – Challenges and opportunities <ul style="list-style-type: none"> ■ Manufacturing and supply of equipment used in hydrogen production and use ■ Whole life cycle ■ Human factor <i>Dr Thorsten Arnhold, IECEx WG19 Convener, Member IEC Board on Conformity Assessment</i>
10:00 – 10:30	Coffee/Tea break
10:30 – 11:00	ISO on-going work on hydrogen <ul style="list-style-type: none"> ■ ISO/TC 197 ■ ISO/TC 197/SC 1 <i>Mr Tetsufumi Ikeda, Chair ISO/TC 197 & Dr Andrei V Tchouvelev, Chair ISO/TC 197/SC 1</i>
11:00 – 11:30	Hydrogen activities in the Asian region <ul style="list-style-type: none"> ■ Update on activities in the region ■ Current work of ISO/TC 197/SC 1 on hydrogen pipelines <i>Prof Jinyang Zheng, Director of Zhejiang University Hydrogen Energy Institute, Convener of ISO/TC 197/SC 1 AHG on H₂ pipelines</i>
11:30 – 12:00	Work of the United Nations UNECE in support of hydrogen <i>Mr Branko Milicevic, UNECE & Dr Frank Lienesch, PTB, UNECE WP6</i>
12:00 – 12:40	Installation and plant requirements according to Ex safety requirements of International Safety Standards IEC 60079-14 and inspection requirements of IEC 60079-17 <ul style="list-style-type: none"> ■ Fundamental design considerations ■ Installation and inspection practices ■ Area classification to IEC 60079-10 series <i>Mr Peter Thurnherr, Thuba Ltd, Chair IECEx ExSFC, Member IECEx Executive</i>
12:40 – 14:00	Lunch (<i>lunch will be provided free of charge to facilitate networking opportunities</i>)
14:00 – 14:30	Role and work of IRENA in supporting the hydrogen economy <ul style="list-style-type: none"> ■ Role and current activities of IRENA ■ AFID (Alliance for Industrial decarbonisation) <i>Mr Jaidev Dhavle, IRENA Associate Programme Officer, Innovation for the Energy Transition</i>
14:30 – 15:00	IECEX + IECQ System updates in support of hydrogen at scale <ul style="list-style-type: none"> ■ Equipment, components and systems ■ Services certification ■ Personnel certification ■ Process to gain IECEx certificate ■ Value in holding an IECEx certificate <i>Ms Katy Holdredge, IECEx Vice Chair, Senior staff engineer UL Solutions</i>
15:00 – 15:15	IEC Quality Assessment System, IECQ – Environmental services supporting a circular economy <ul style="list-style-type: none"> ■ IEC ecodesign certification scheme, IEC 62430 ■ IEC hazardous substances scheme ■ IEC carbon footprint of products (CFP) verification service <i>Mr Chris Agius, IECEx & IECQ Executive Secretary</i>
15:15 – 15:45	Other international standards update <ul style="list-style-type: none"> ■ IEC TC 31, Equipment for explosive atmospheres <i>Dr Martin Thedens, Chair IEC TC 31</i> ■ IEC TC 105, Fuel cell technologies <i>Mr Hong Ki Lee, Chair IEC TC 105</i>
15:45 – 16:15	Coffee / Tea break
16:15 – 16:30	Panel discussion
16:30 – 17:00	Open forum, to offer all attendees the opportunity to raise questions concerning any of the topics covered
17:00	Close + final remarks <i>Mr Paul Meanwell, IECEx Chair</i>

Delegates are invited to join the cocktail reception, hosted by WAROM, for further networking following the Conference.