

## Programme

07:45 – 08:30	Registration
08:30 – 08:35	Welcoming remarks and introduction of the conference Chair Mr Paul Meanwell, <i>IECEX Chair</i> <i>Mr Chris Agius, IECEX Executive secretary &amp; Mr Paul Meanwell, IECEX Chair</i>
08:35 – 08:40	Welcome to Singapore by IEC National Committee of Singapore <i>Ms Sauw Kook Choy, Director-General of Quality &amp; Excellence Enterprise Singapore</i>
08:40 – 09:00	Keynote address <i>Mr Jo Cops, IEC President</i>
09:00 – 09:45	Overview of the global hydrogen market and initiatives <ul style="list-style-type: none"> <li>■ Current market demand and trade flows</li> <li>■ Renewable and low carbon hydrogen projects</li> <li>■ Highlights of COP28 regarding global hydrogen initiatives</li> </ul> <i>Ms Daria Nochevnik, Director Hydrogen Council, IEA H<sub>2</sub>TCP Task 43 H<sub>2</sub> Certification Manager</i> <ul style="list-style-type: none"> <li>■ Safety and sustainability – global perspective</li> </ul> <i>Dr Andrei V Tchouvelev, Director Hydrogen Council, Chair ISO/TC 197/SC1, IEA H<sub>2</sub>TCP Task 43 H<sub>2</sub> Safety Manager</i>
09:45 – 10:15	Industry – Challenges and opportunities <ul style="list-style-type: none"> <li>■ Manufacturing and supply of equipment used in hydrogen production and use</li> <li>■ Whole life cycle</li> <li>■ Human factor</li> </ul> <i>Dr Thorsten Arnhold, IECEX WG19 Convener, Member IEC Board on Conformity Assessment</i>
10:15 – 10:45	Coffee/Tea break
10:45 – 11:15	ISO on-going work on hydrogen <ul style="list-style-type: none"> <li>■ ISO/TC 197</li> <li>■ ISO/TC 197/SC 1</li> </ul> <i>Mr Tetsufumi Ikeda, Chair ISO/TC 197 &amp; Dr Andrei V Tchouvelev, Chair ISO/TC 197/SC 1</i>
11:15 – 11:45	Hydrogen activities in the Asian region <ul style="list-style-type: none"> <li>■ Update on activities in the region</li> <li>■ Current work of ISO/TC 197/SC 1 on hydrogen pipelines</li> </ul> <i>Prof Jinyang Zheng, Director of Zhejiang University Hydrogen Energy Institute, Convener of ISO/TC 197/SC 1 AHG on H<sub>2</sub> pipelines</i>
11:45 – 12:15	Work of the United Nations UNECE in support of hydrogen <i>Mr Branko Milicevic, UNECE &amp; Dr Frank Lienesch, PTB, UNECE WP6</i>
12:15 – 13:35	Lunch ( <i>lunch will be provided free of charge to facilitate networking opportunities</i> )
13:35 – 14:15	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"> <li>■ Fundamental design considerations</li> <li>■ Installation and inspection practices</li> <li>■ Area classification to IEC 60079-10 series</li> </ul> <i>Mr Peter Thurnherr, Thuba Ltd, Chair IECEX ExSFC, Member IECEX Executive</i>
14:15 – 14:45	Role and work of IRENA in supporting the hydrogen economy <ul style="list-style-type: none"> <li>■ Role and current activities of IRENA</li> <li>■ AFID (Alliance for Industrial decarbonisation)</li> </ul> <i>Mr Jaidev Dhavle, IRENA Associate Programme Officer, Innovation for the Energy Transition</i>
14:45 – 15:15	IECEX + IECQ System updates in support of hydrogen at scale <ul style="list-style-type: none"> <li>■ Equipment, components and systems</li> <li>■ Services certification</li> <li>■ Personnel certification</li> <li>■ Process to gain IECEX certificate</li> <li>■ Value in holding an IECEX certificate</li> </ul> <i>Ms Katy Holdredge, IECEX Vice Chair, Senior staff engineer UL Solutions</i>
15:15 – 15:45	Coffee / Tea break
15:45 – 16:00	IEC Quality Assessment System, IECQ – Environmental services supporting a circular economy <ul style="list-style-type: none"> <li>■ IEC ecodesign certification scheme, IEC 62430</li> <li>■ IEC hazardous substances scheme</li> <li>■ IEC carbon footprint of products (CFP) verification service</li> </ul> <i>Mr Chris Agius, IECEX &amp; IECQ Executive Secretary</i>
16:00 – 16:30	Other international standards update <ul style="list-style-type: none"> <li>■ IEC TC 31, Equipment for explosive atmospheres <i>Dr Martin Thedens, Chair IEC TC 31</i></li> <li>■ IEC TC 105, Fuel cell technologies <i>Mr Hong Ki Lee, Chair IEC TC 105</i></li> </ul>
16:30 – 16:45	Panel discussion
16:45 – 17:15	Open forum, to offer all attendees the opportunity to raise questions concerning any of the topics covered
17:15 – 17:30	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.**