

STANDARDS AND INTEROPERABILITY PLUGFEST (INTEROP)

MARINA BAY SANDS EXPO
AND CONVENTION CENTER
SINGAPORE

Plus IEEE 1451 Standards

Virtual Conference



Sponsors: IES Standards TC

Co-sponsors: IES Industrial Agents TC, Industrial Informatics TC

WHAT

IES Standards ***Interoperability and Plugfest, IEEE 1451 Sensor Networks Standards***, IES Standards Working Group Sessions

OBJECTIVES:

- Provide the IES standards community with verification and validation platforms for the standards so the community can test their development of their applications to these benchmarks, ensuring compliance and interoperability to their systems in IES Fields of Interest
- Encourage industry partners to participate in IEEE Standards by providing verification and validation platforms for standards compliance and interoperability in the industry context.



- Provide demonstrations and prototypes for interoperability and standards.

BENEFITS TO IECON, IES

Introduce IECON 2020 conference participants with exposure to standards development efforts in IES, in collaboration with other societies, show and propagate IES sponsored standards family's progress in industrial electronics and IoT/IIoT/CPS harmonization

Long Term objective: *Provide stable or permanent verification and compliance Centers of Expertise (COE) for industry and academia use, distributed globally under IES Standards support. (e.g. Europe, Asia, So. America, USA)*

PROGRAM ORGANIZERS:

V. Huang
Allen Chen
Jing Bing Zhang
Dietmar Bruckner

DEMO ORGANIZERS:

Hiroaki Nishi
Antonio Espirito-Santo
Patricia Wong

ADVISORS: (outside of Stds TC)

Kang Lee IMS Standards TC9
Roberto Oboe VP TA - IES
Kiang Wee Lim A*STAR Singapore

STDS SESSION ORGANIZERS:

Eugene Song (NIST)
Kim Fung Tsang

PUBLICITY: A. Malinowski, Patricia Wong

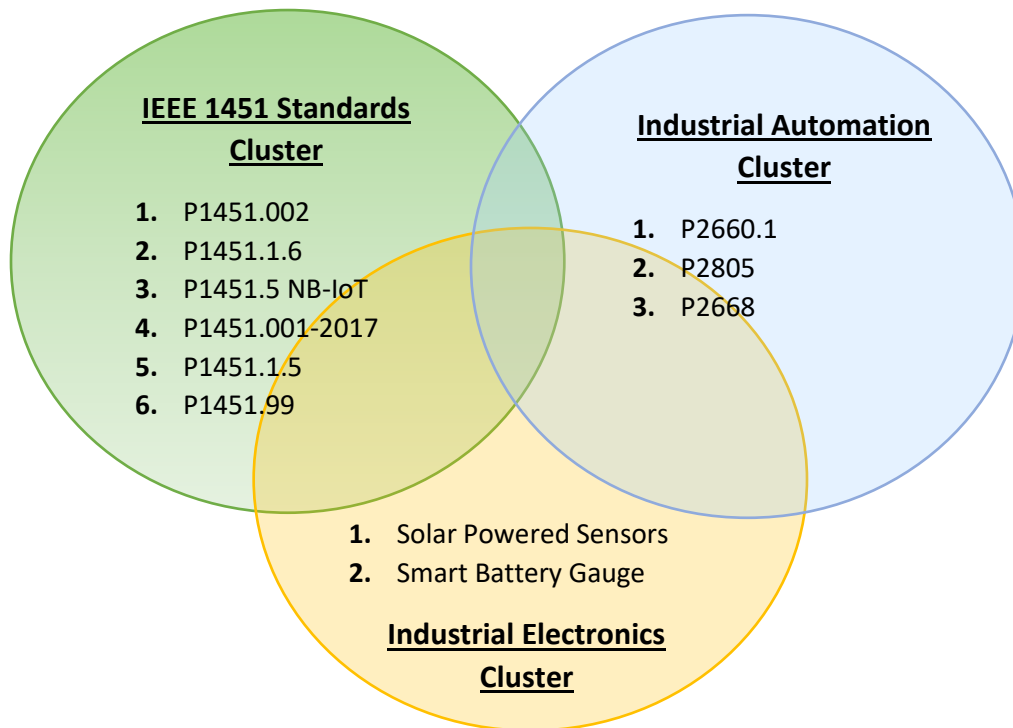
REGISTRATION:

1. INTEROP Plugfest (Demos, F2F STDS sessions, conference): **SGD \$400 INTEROP Rate**
2. Full IECON Conference (includes INTEROP Plugfest) : Full regular IECON fee

Register using the INTEROP registration section.

PROGRAM – VIRTUAL SESSIONS

INTEROP PLUGFEST : PARTICIPANTS





PLUGFEST TECHNICAL SESSIONS (VIRTUAL):

All times set to IECON 2020 Singapore time

Monday October 19, 2020, 10:30 AM – 12 NOON

Session PF1 Chair: Victor Huang

- | | |
|------------------------------|---|
| 1. P1451 Family | E. Song/K. Lee , NIST, USA (10:30AM) |
| 2. Smart Battery Gauge | B. Balagopal/M. Y. Chow , NCSU, USA (11AM) |
| 3. P1451.5 wireless – NB-IoT | K. F. Tsang , City University of Hong Kong (11:30AM) |

Monday October 19, 2020, 2:30 PM – 4:30 PM

Session PF2 Chair: Dietmar Bruckner

- | | |
|-------------------------------|--|
| 4. P2805 Edge Computing Nodes | W. Dai , Shanghai Jiaotong Univ., China (2:30PM) |
| 5. P1451.1.5 SNMP | J. Wu (IMS), Shanghai Jiaotong Univ, China (3PM) |
| 6. P1451.99 Harmonization | P. Waher/G. Kuppa , Trust Anchor Group/IEEE
India, Sweden/India (3:30PM) |
| 7. P2660.1 Industrial Agents | P. Leitao , Polytechnic Institute of Braganca,
Portugal (4PM) |

Tuesday October 20, 2020, 10:30 AM – 12 NOON

Session PF3 Chair: Allen Chen

- | | |
|---|---|
| 8. IEEE 1451-001-2017 Signal Treatment | G. Monte , U. Tecnological Nacional, Argentina |
| 9. IEEE 1451 & IEC 61499 interoperability | R. Abrishambaf , U. Miami, Ohio, USA. |
| 10. P2023 Digital Transformation | Lee Stogner , USA |

Tuesday October 20, 2020, 2:30 PM – 4:30 PM

Session PF4 Chair: Victor Huang

- | | |
|--|---|
| 11. P1451.1.6 MQTT | H. Nishi , Keio University, Japan |
| 12. P2668 IDEX | K. F. Tsang , City University of Hong Kong |
| 13. P1451.002 | A. Espirito-Santo , U. da Beira Interior, Portugal |
| 14. Distributed Smart Transducers for
Industrial Automation | H-P. Bernhard , J. Kepler U. Linz, Austria |