



## IECON 2022

48<sup>th</sup> Annual Conference of the  
IEEE Industrial Electronics Society  
October 17-20 ,2022 | Brussels



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 2021 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 COMMITTEE:**

Antonio Espirito-Santo  
Allen Chen  
Dietmar Bruckner

### **ADVISORS:**

Valeriy Vyatkin VP TA - IES  
Peter Palensky Gen. Chair IECON  
Victor Huang

### **DEMO COMMITTEE:**

Kim Fung Tsang  
Akshay Rathore(automotive)  
Fei Gao (automotive)

### **STDS SESSION COMMITTEE:**

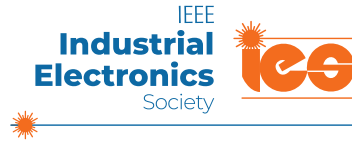
Allen Chen  
Paulo Leitao

**PUBLICITY:** V. Huang

### **REGISTRATION:**

1. INTEROP Plugfest (Demos, **conference w/o reception, banquet**): **€ 550 INTEROP Rate**
2. Full IECON Conference (includes INTEROP Plugfest) : Full regular IECON fee

Register using the *INTEROP registration section*.



**PROGRAM**

<b>TIME (Bru)</b>	<b>Tuesday Oct 18 Presentations @ Studio 214</b>	<b>Tuesday Oct 18 @ Studio 216</b>	<b>Wednesday Oct 19 @ Studio 216</b>	<b>Thursday Oct 20 @ Studio 216</b>
9:00 – 9:30AM (Tue/Thu) 9:00 – 10:00AM (Wed)	<b>IECON 2022 Keynote (@8am)</b>	<b>IECON 2022 Keynote (@8am)</b>	Plugfest Demos (All*)	Plugfest Demos (All*)
10:00AM – 12:30PM (Tue/Wed) 11:00AM – 12:30PM (Thu)	<b>Session 1</b>	Plugfest Demos (All*)	Plugfest Demos (All*)	<b>Keynote (9:30-10:30AM)</b> Plugfest Demos (All*)
<b>BREAK</b>				
2:30 – 4:00PM	<b>Session 2</b>	Plugfest Demos (All*)	Plugfest Demos (All*)	<b>Keynote (2:30-3:30PM)</b>
4:30 – 6:00PM (Tue/Wed) 4:00 – 6:00PM (Thu)		Plugfest Demos (All*)	Plugfest Demos (All*)	Plugfest Demos (All*)



**NOTES:**

**All Presentation Sessions 1.5 Hours, with 4 15 mins presentations + short Q&A. (no panel discussion – can be done during live Demo periods).**

**F2F Meetings – 1 hour/standard session.**



**PLUGFEST TECHNICAL SESSIONS:**

***All times set to IECON 2022 Brussels time***

***Tuesday October 18, 2022, 10:00 AM – 12:00 Noon***

***Session 1 Chair: Allen Chen, IEEE 1451 Sensors Standards Cluster***

- |              |                  |
|--------------|------------------|
| 1. P1451.0   | R Trafford       |
| 2. P1451.002 | A Espirito-Santo |
| 3. P1451.1.6 | H Nishi          |
| 4. P1451.99  | R Brama          |
| 5. P1451.5.X | K F Tsang        |

***Tuesday October 18, 2022, 2:30 PM – 4:00 PM***

***Session 2 Chair: Dietmar Bruckner, Standards/Industrial Electronics/Automotive***

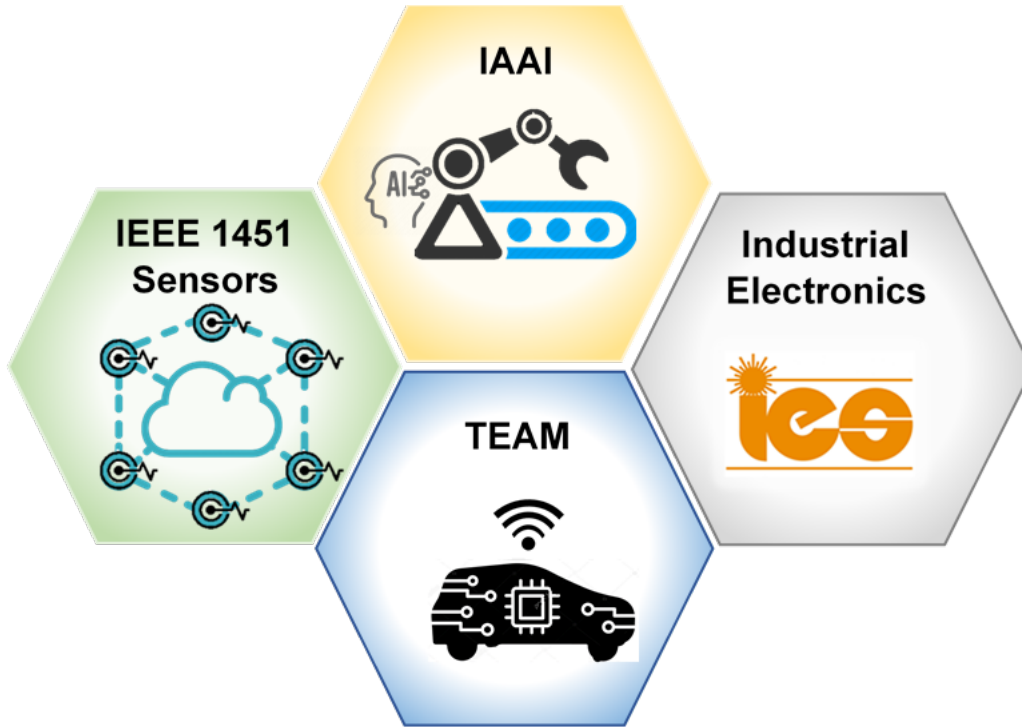
- |                 |              |             |
|-----------------|--------------|-------------|
| 6. Demo Auto1   | F Gao invite |             |
| 7. P2992        | H Nishi      |             |
| 8. P2668        | K F Tsang    |             |
| 9. Provisioning | P Waher      |             |
| 10. India CoE   | G Kuppa      | (w/P Waher) |

**STANDARDS F2F SESSIONS:**

***All times set to IECON 2022 Brussels time***

Time (Bru)	Tuesday Oct 18	Wednesday Oct 19
9am		
10am		P1451.002
11am		P1451.1.6
12noon	Lunch	
1pm		P1451.99
2pm		P2992
3pm		P2668
4pm		P1451.5.X

**INTEROP PLUGFEST : MEMBERS**



- IEEE 1451 Sensors Standards Cluster**
1. P1451.0
  2. P1451.002
  3. P1451.1.5
  4. P1451.1.6
  5. P1451.5.X
  6. P1451.99

- Industrial Automation- Artificial Intelligence (IAAI) Cluster**
1. P2805
  2. P2668
  3. P2992
  4. P3138

- Industrial Electronics Cluster**
1. P2023
  2. Demo-Miami-Ohio
  3. India CoE
  4. P2418.11

- Transportation Electrification & AutoNOMous Vehicles (TEAM) Cluster**
1. Smart Battery Gauge
  2. P3137
  3. Automotive 1
  4. Automotive 2