ECM-131-10A-01

ECM 131: Scientific Director’s Forward View

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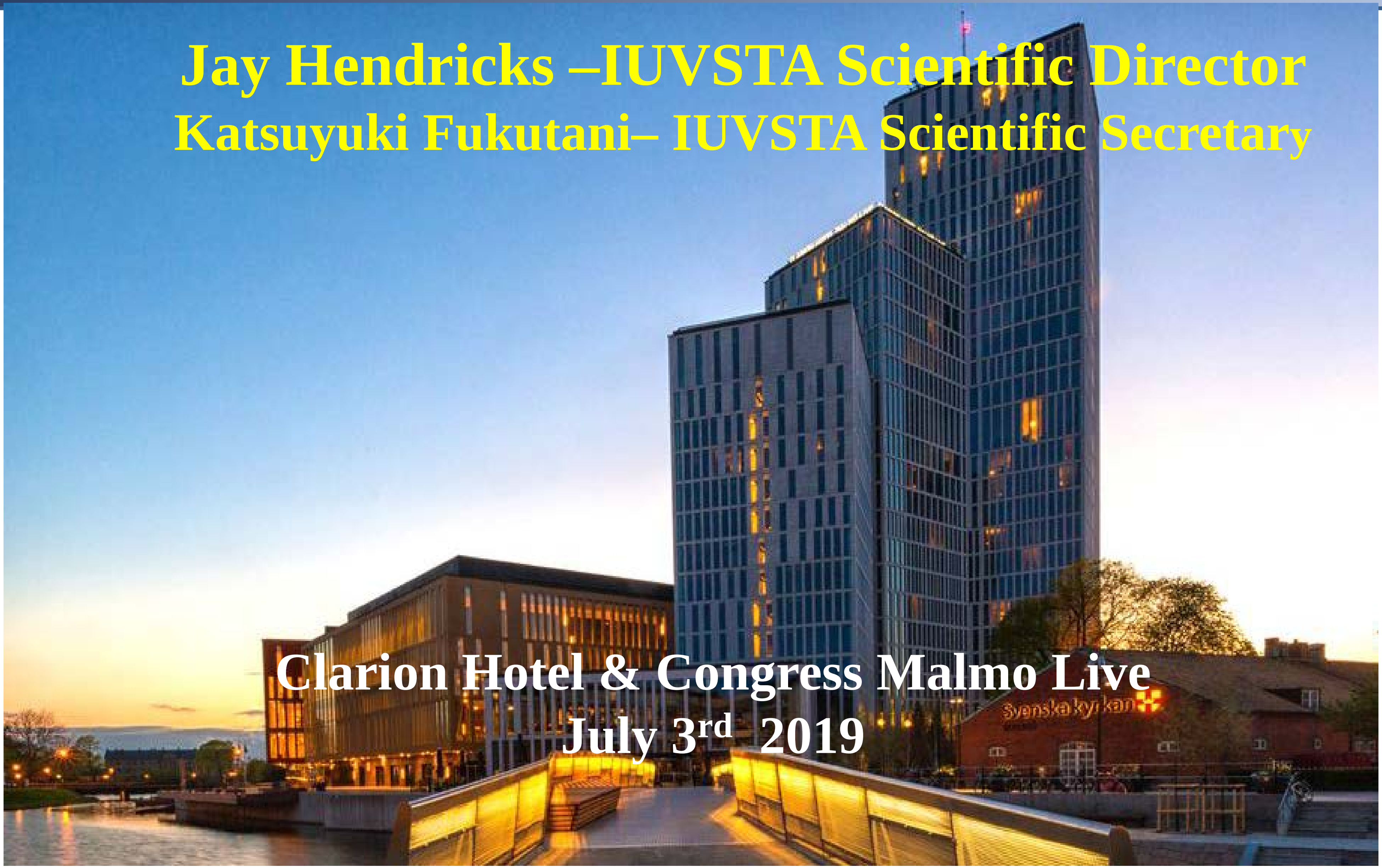

Jay Hendricks –IUVSTA Scientific Director

Katsuyuki Fukutani– IUVSTA Scientific Secretary

Clarion Hotel & Congress Malmo Live

July 3rd 2019

IUVSTA

1958-2018

60 years of the Union

Scientific Director's Forward View

The Scientific and Technical Directorate (STD) coordinates the Scientific and Technical activities of the Nine IUVSTA Divisions

- **Communication:** **"Serve as an international communication 'hub' that connects vacuum science and technology scientists around the world".**
- **Education:** Work with Division Chairs to develop ***Workshops, Schools, Short Courses,* and *Technical Training***
- **IVC Scientific**: Work with IUVSTA Division Chairs to Develop IVC-22 Program and abstract calls through the international program committee.
- **Society Impact:** Find Applications where our science has positive impact for society.
  - Support for science in less developed countries .
- **Develop Focus Topics:**
  - **Quantum Science** (AVS launches Quantum Science journal, Quantum Based Units, Quantum Computing/deep learning).
  - **Photonics and Nano photonics** (multiple technologies, including bio applications)
  - **Role of Sensors and Sensor Science** (AI, Self-driving cars)
  - **Technologies for Sustainability** (clean water, air,)
  - **Next Gen. Energy** (Fusion, Solar, new materials and process enabling technologies, batteries)

2019-2022 IUVSTA Scientific and Technical Division Officers

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IUVSTA Division	Chair	Vice Chair	Secretary
ASSD - Applied Surface Science	Leszek Markowski	John T. Grant	--
BI - Biointerfaces Division	Dmitri Petrovykh*	M. Manso	Carlos R. Grandini
EMPD - Electronics Materials & Proc.	Ivana Capan	Reinhard Schwarz	Monika Kwoka
NSD - Nanometer Structures	Ana Gomes Silva	Shuji Hasegawa	Carla Bittencourt
PSTD - Plasma Science & Tech.	Satoshi Hamaguchi*	Deborah O'Connell	Miran Mozetič
SED - Surface Engineering	Ivan G. Petrov	Peter Schaaf	Monika Jenko
SSD - Surface Science	María Carmen ASENSIO	Mario Rocca	Fumio Komori
TFD - Thin Film	Mile Ivanda*	Papken Hovsepian	Diederik Depla
VSTD - Vac. Science & Tech.	Marcelo J. Ferreira*	Martin Wüest	Joe Herbert

IUVSTA VST Highlight POSTER (VASSCAA-9, EVC-15, and IVC-21)