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Union Internationale Pour La Science, La Technique et Les Applications du Vide International Union for Vacuum Science, Technique and Applications Internationale Union für Vakuum Forschung, Technik und Anwendung

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Union Internationale Pour La Science, La Technique et Les Applications du Vide International Union for Vacuum Science, Technique and Applications Internationale Union für Vakuum Forschung, Technik und Anwendung

Agenda for the 134th Executive Council Meeting and Associated Meetings

This Meeting is held as a Virtual Meeting. All times are Central European Time (Paris).

Wednesday March 17th:

13.00: Officers Business Meeting (Restricted; if needed)

Thursday March 18th:

12.45: meeting opens for connection setup and test connection

13:00: Committee Reports:

Finance Committee

Congress Planning Committee

Awards and Scholarship Committee

Long Range Planning Committee

Education Committee

Communications Committee

Other Committees

15:00 STD meeting

Required to attend: Division chairs, Chair of Education Committee, Scientific Director, Scientific Secretary

18:00 Meeting Planned to end (connection terminates 17:45)

Friday March 19th:

14.00 Meeting opens for connection setup and test connection

14:15 Attendance for ECM 134

Required to attend: Officers

Councilors or Alternate Councilors

Recording Secretary

Quorum: 2/3

14:30 Annual General Meeting AGM 07

Adoption of the Annual Accounts for the financial year 2020

Adoption of the Budget for the financial year 2021

Required to attend: Society Representatives; for simplicities sake Councilors or

Alternate Councilors act as Society Representative

Vote on Honorary IUVSTA Presidency of Peter Barna, as proposed at ECM 133

Quorum: ½

15:00 Executive Council Meeting

Report of the President

Committee Reports (if needed)

Vote on Workshops, Schools, and Courses

Future Executive Council Meetings

Any Other Business

17:30 Meeting planned to end (connection terminates 17:45)

Ballots will be taken by an appropriate web-based service



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Call for New Workshops, Schools, Technical Training and Short Courses

Dear IUVSTA Members,

Please find the dates for the call for new workshops, schools, technical training and short courses is fast approaching for ECM134!

Important Dates for NEW WS/SCH/TCC/SC:

- March 12th <u>Draft</u> proposal due to Scientific Secretary <u>fukutani@iis.u-tokyo.ac.jp</u>, <u>jayh@nist.gov</u>
- March 16th Final proposal due (Hard Deadline) fukutani@iis.u-tokyo.ac.jp, jayh@nist.gov
- March 18th Virtual ECM 134 will start 1PM CET (Paris).

Statement for the Call on NEW WS/SCH/TTC/SC for March 18th ECM:

- Virtual only proposals (for 2021) are strongly encouraged.
- Virtual events for spring 2022 are also strongly encouraged.
- In person only events for 2021 are discouraged.
- In person only events for June 2022 and beyond should include a statement on contingency if COVID19 prevents the meeting from occurring as planned.

IUVSTA Statement on COVID-19 for *Previously Approved* WS/SCH/TTC/SC

IUVSTA recommends that the organizers of workshops, schools, technical training courses, short courses, and conferences continue to monitor the COVID-19 situation and make adjustments to the meeting date(s) to avoid virus spread and ensure participant safety. IUVSTA encourages science to continue with the use of virtual meetings. Small, regional in person meetings should only be considered where the virus is well contained.

Message to IUVSTA Organizers and Division Chairs for *Previously Approved* WS/SCH/TTC/SC

Organizers of relatively small *in-person* meetings (WS, SCH, SC, TTC's) funded for 2020-2021(and earlier) are asked to move these to *virtual events* for 2021 and early 2022. Please note that IUVSTA funding can be used to help reduce the virtual-participant registration cost down to free. If additional IUVSTA funds are needed to convert from in person to virtual a small amount (~1,000 euro) can be requested. IUVSTA can also provide a teleconference solution if needed. If a virtual event cannot be planned or considered, please submit a request to reschedule to a future date and work with IUVSTA to plan an event that best fits the overall meeting calendar.

A note on new "virtual only" WS:

Budgets for "virtual only" WS will be carefully reviewed. It is anticipated that the cost of an all virtual workshops will be significantly reduced (50% or more) when compared to a face-to-face event.

NOTE: If you are preparing a new proposal, make sure you ask for the budget template (excel sheet).

Thank You
Jay + Katsuyuki

Jay Hendricks
Scientific Director, 2019-2022



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Union Internationale Pour La Science, La Technique et Les Applications du Vide International Union for Vacuum Science, Technique and Applications Internationale Union für Vakuum Forschung, Technik und Anwendung

The 2021 IUVSTA International M. W. Welch Scholarship Award

Dear IUVSTA Colleagues,

Please advertise this **Opportunity for Outstanding Young Scientists to Travel and Work at a Foreign Lab**, the IUVSTA Welch Scholarship Award (https://iuvsta.org/welch-scholarship/). This award will provide \$15,000 for a young researcher to travel to, and work at, a lab in another country. "Young" is defined as within one year of a PhD, or up to two years after obtaining a PhD. The duration of the stay is between 3 months and 1 year. The duration depends upon the cost of living of the location chosen and level of the applicant.

A partial list of laboratories willing to host the awardee can be found here:

https://iuvsta.org/main/wp-content/uploads/2018/04/4.6-Update Possible-Welch-Scholarship-Hosting-Laboratories v2.xlsx

Note that this list is not exhaustive, and the candidate is welcome to propose any laboratory which is willing to host the stay.

A link to the application can be found here:

https://iuvsta.org/welch-scholarship-application/

It will require uploading a CV, a plan of the research to be done, a letter from the hosting institution, and two reference letters. The successful candidate will be of outstanding merit and have a research plan which has a significant impact on the candidate's career. The application deadline is: June15, 2021.

We are hoping to have many applicants to choose from, so please spread the word about this opportunity far and wide. Last year we had 5 applicants and the winner was a person who studied in Canada and will spend more than three months in Japan. This is an excellent opportunity for young scientists/engineers to perform outstanding research in a foreign institution!

For questions please contact

Chair of the IUVSTA Welch Award Committee: Dr. Anton P.J. Stampfl Australian Nuclear Science and Technology Organisation Address: New Illawarra Rd, Lucas Heights NSW 2234 Postal address: Locked Bag 2001, Kirrawee DC NSW 2232 Australia

welchaward@iuvsta.org

Thank you very much!

Martin Wüest

Chair IUVSTA Awards
and Scholarship Committee

Anton Stampfl
Chair IUVSTA Welch Award Committee



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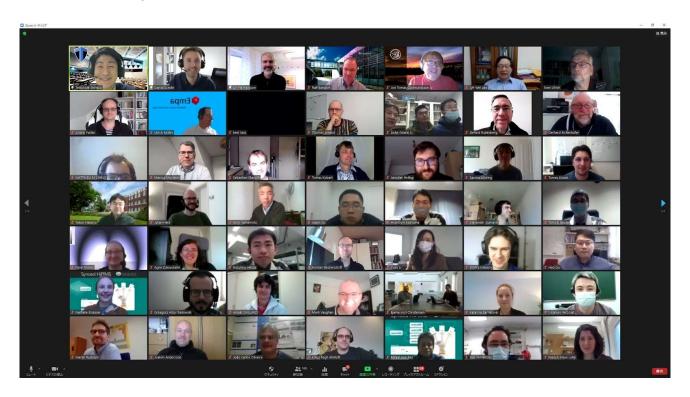
Union Internationale Pour La Science, La Technique et Les Applications du Vide International Union for Vacuum Science, Technique and Applications Internationale Union für Vakuum Forschung, Technik und Anwendung

96th IUVSTA workshop "HiPIMS Today", January 20-22, 2021

The 96th IUVSTA Workshop "HiPIMS Today - Recent Development of High-Power Impulse Magnetron Sputtering" took place as on-line event on January 20-22, 2021. The workshop was sponsored by the Surface Engineering division with workshop chairs professors Ulf Helmersson (Linköping University), Tetsuhide Shimizu (Tokyo Metropolitan University), and Daniel Lundin (Linköping University). There were 272 participants from 36 countries. The program included two one-hour oral sessions per day with three speakers in each hour. There were three one-hour mingling sessions, one before, one in the end, and one in-between the oral session. The total length of a workshop day is then five hours. There were 17 invited presentations, 20 min long, and each speaker was given a breakout room during the mingling session following the oral session. There were also 15 breakout room presentation. The four exhibitors, too, gave breakout room technical presentation, after which they were able to interact with participants.

The workshop covered a range of topic which currently are actively investigated: bipolar HIPIMS, recent development in pulsed plasma diagnostics tools, optimization of HiPIMS process parameters, and the role of metal ions irradiation for low temperature film growth. The main feature of the workshop, which attracted a great attention from the participants, was the mingling sessions after each invited lecture, having very intense and fruitful discussions in view of understanding of HiPIMS plasma physics and its impact on the film growth, connecting it to the novel process development. On the feedback questionnaire from the participants, 95% of the respondents think the interactions with the invited speaker in the mingling session were valuable, and all respondents wish to hold the workshop in near future. Having such a positive feedback, the workshop was a great success. The excellent contributions from the all sponsors, invited lecturers, exhibitors and the participants are greatly appreciated.

The 96th IUVSTA Workshop Chairs





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In Memory of József Gyulai



1933 - 2021

On Feb. 12th, 2021 József Gyulai passed away at the age of 88.

József Gyulai was the member of the Hungarian Academy of Sciences, professor emeritus of the Institute for Technical Physics and Materials Science (MFA), president of the Hungarian Vacuum Society. We lost an originally thinking researcher who was a wonderful mentor to students, young scientists, and colleagues.

Professor Gyulai was born in 1933 in Hódmezővásárhely. He was a versatile man who started his studies as a composer of classical music. In his high-school years he continued his studies at the Conservatoire of Szeged and in parallel he focused on physics and mathematics, too. Finally, he decided to move to the University of Szeged to study Physics. After obtaining his diploma and spending

a year as a high-school teacher he got a position at the Physics Department of the University of Szeged and worked on the physics of semiconductors. His first papers dealt with photoelectric properties of different compounds of semiconductors. A great step in his career was made when he obtained a one-year scholarship to the USA. At the end of 1969 he started to work in Jim Mayer's international research group in Caltech, Pasadena. In a short time he figured out how to extract depth dependent chemical composition data from spectra of compound layers measured by Rutherford Backscattering Spectroscopy and was deeply involved into the study of the novel Si doping method, ion-implantation. Returning back to Hungary, prof. Gyulai continued his collaboration with Jim Mayer at Caltech and later at Cornell. He met and worked together with many key leaders in the field of ion beam analysis and ion-implantation. In Hungary he established a research group of ion implantation and later the Microtechnology Department, initiated a group of Ion Beam Analysis. He was the chair of the Department of Experimental Physics of the Budapest University of Technology and the founding director of the Research Institute of Technical Physics and Material Science of the Hungarian Academy of Sciences.

As an initiator of nanoscience in Hungary during his long and distinguished career he published or was the coauthor of more than 300 scientific papers, 3 fundamental books, 11 book chapters and 13 patents. In addition to his very broad range of research and teaching activity, he played an important role in the organizations of the Hungarian scientists. For many years he was the president of Roland Eötvös Physical Society, as well as the president of the Hungarian Vacuum Society.

His enthusiasm for science and his devoted humanism will be greatly missed.

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Secretary of Hungarian Vacuum Society