



Scientific and Technical Directorate(STD)

Jay Hendricks, Scientific Director
Katsuyuki Fukutani, Scientific Secretary

ECM-132
Virtual Meeting
March 20, 2020



AGENDA STD ECM-132

1. Opening and Welcome
2. Attendance
3. Adoption of Agenda
4. Minutes of STD approval of ECM-130 & ECM-131 (Directors Forward View)
(available on the IUVSTA web)

5. Divisional reports

- ASSD-Applied Surface Science Division **Leszek Markowski**
- BI-Biointerfaces Division **Dmitri Petrovykh***
- EMPD-Electronic Materials & Processes Division **Ivana Capan**
- NSD-Nanometer Structures Division **Ana Gomes Silva**
- PSTD-Plasma Science & Techniques Division **Satoshi Hamaguchi**
- SED-Surface Engineering Division **Ivan G. Petrov**
- SSD-Surface Science Division **María Carmen ASENSIO**
- TFD-Thin Film Division **Mile Ivanda***
- VSTD-Vacuum Science and Technology Division **Marcelo J. Ferreira***

5. Division Short Reports (5 min each):

Division/ Reports		Chair	Presenting	Vice Chair	Secretary
ASSD	(5 min)	Leszek Markowski	Leszek	John T. Grant	--
BI	(5 min)	Dmitri Petrovykh*	Dmitri	<i>Giacomo Ceccone</i>	Carlos R. Grandini
EMPD	(5 min)	Ivana Capan	Ivana	Reinhard Schwarz	Monika Kwoka
NSD	(5 min)	Ana Gomes Silva	Ana	Shuji Hasegawa	Carla Bittencourt
PSTD	(5 min)	Satoshi Hamaguchi	Satoshi	Deborah O'Connell	Miran Mozetič
SED	(5 min)	Ivan G. Petrov	Ivan	Peter Schaaf	Monika Jenko
SSD	(5 min)	María Carmen ASENSIO	María	Mario Rocca	Fumio Komori
TFD	(5 min)	Mile Ivanda*	Mile ?	Papken Hovsepian	Diederik Depla
SSD	(5 min)	Marcelo J. Ferreira*	Marcelo	Martin Wüest	Joe Herbert
Education	(10 min)	Alberto Tagliaferro*	Alberto	Ana Silva	<i>Sylvie Bourgeois</i>

	WS Workshops	SCH Schools	TCC Technical Training Course	SC Short Course (may adapted to webinar)
Submission:	TO: Scientific Secretary CC: SD + organizers	TO: Scientific Secretary CC: SD + organizers	TO: Scientific Secretary CC: ECC/ECVC/ECS/SD + organizers	TO: Scientific Secretary CC: ECC/ECVC/ECS/SD + organizers
Summary/ Purpose:	To advance scientific knowledge in a field; rather than be educational of existing knowledge	To educate on existing knowledge	To educate at the beginner level , generally not same topic in sequential years	To educate on existing knowledge “state of the art “in a specific field
Organized by/Underwriter	Organized IUVESTA Division(s)/National Vacuum Society or university	Organized IUVESTA Division(s)/National Vacuum Society or university	Organized IUVESTA Division(s)/National Vacuum Society or university	Organized IUVESTA Division(s)/National Vacuum Society or university
Format:	Format should be like that of a “ Gordon Conference ” with no publication of proceedings.	Format is a school with Intense instruction on a specific topic with learning/educational materials provided.	Format Example: Practical vacuum science for the regional technician /engineer	Held in conjunction with existing scientific meeting. Example AVS Short Courses
Location:	Remote location (not large city) in a hotel, hostel, university campus, or small town.	Typically, University campus	Regional	Regional to Main scientific meeting
Size/Duration	40-50 delegates 4-6 days	40-80 students 1 to 2 weeks	Any 1-3 days	any 1-2 days
Participation:	Organizers invite 10-20 talks of International experts	International teaching experts in the field	Regional experts and students	Regional experts and students
Program:	Dominated by single session oral presentations by invited speakers. Lots of unstructured discussion space in program and time for questions (opposite of a conference style with little time for questions).	Intense instruction/school on a specific topic with learning/ educational materials provided often in the form of textbook	Dominated by regional experts in the field and often taught in the local language.	1-2 days held in conjunction with a main scientific meeting.
Funding:	6,000-9,000 Euro	6,000-9,000 Euro	2,500 Euro maximum	2,000 Euro maximum
Language:	Typically, English (French/German permitted)	Typically, English (French/German permitted)	Local/regional language is encouraged	English (French/German permitted), maybe regional if main conference is regional language (unusual).
Approval Route	STD→ECM	STD→ECM	EC→STD→ECM	EC→STD→ECM

6. Proposals of Workshops (WS) and Schools (SCH) for approval (5 min. Presentation, 5 min Discussion each)

Proposal filename	Place/ Country	Date	Organizer (underwriter)	IUVSTA Division	Presenter	Title	Requested Funding (€)
#1-WS-1	Okinawa Japan	13-17, Sep, 2020	Japan Society of Vacuum and Surface Science	NSD, SSD	F. Komori	Workshop on Advanced Spectroscopy and Transport for 2D Materials at Surfaces	6000
#2-WS-2	Castle Seggau, Austria	Autumn, 2021 4 days	Austrian Vac. Soc.	SE NSD, TFD, ASSD	Ivan Petrov	Advances in the characterization of surface engineering structures, coatings, and thin films	6000
#3-WS-3	Cerklje na Gorenjske m Slovenia	7-12, March 2021	Slovenian Vacuum Society	PSTD	Miran Mozetič	Reliable sensing and control of reactive plasmas	9000
#4-WS-4	Guimarães Portugal	4-7, Oct. 2021	University of Minho	TFD	Joel Borges	Plasmonic Thin Films: Theory, Synthesis and Applications	6000
#5-WS-5	CMD2020 GEFES, Madrid, Spain	3 slots of 2 hours in Aug. 31- Sep. 4, 2020	Department FIM, Università di Modena e Reggio Emilia, Italy	NSD	Ana Gomez Silva	Synthesis of nanoparticles: applications and new perspectives	2160
#6-School-1	Skalský Dvůr, Czech Republic	May 31st – 6th 2020	Czech Physical Society	NSD	Ana Gomez Silva	Physics at Nanoscale	9000

7. Proposals from Education Committee, for approval

Proposal filename	Place/ Country	Date	Organizer (underwriter)	IUVSTA Division	Presenter	Title	Requested Funding (€)
#7-TTC-1	Štrbské Pleso, Hotel Trigan	13. -16 October 2020	Slovak Vacuum Society	(EC)	Andy Vincze	Vacuum technology, principles and applications	2500
#8-TTC-2	Islamabad Hotel, Islamabad, Pakistan	April 14-16, 2020	Pakistan Vacuum Society	(EC)	Javaid Ahsan Bhatti	IIUVSTA TTC on Vacuum Technology Applications	2500
#9-TTC-3	Universidad Nacional de San Martin, Argentina	18/05/2020 - 22/05/2020	Asociación Física Argentina	(EC)	Maria Carmen Asensio	Intro to Vac Sci, Tech, and Application: from Nano sci to outer space	2500
#10-ShortC-1	Córdoba Spain	28, Sep, 2020 0.5 day	ASEVA	(EC)	Miguel Manso	Low Energy and Photo Emission Electron Microscopy	1000

4:00 PM —4:05 PM call for any new reports on past WS,SCH,TTC,SC? (Lisbon time)

8. Reports on past Workshops and Schools (Brief Report on WS 90 status Juan F. Sanchez)

9. Endorsements?

10. New Business? **Name Change PSTD to “Plasma Science and Technologies Division”**

Approval from divisions?

11. Adjourn STD

Open Short Conference Planning Committee (CPC)

4:05 PM —4:35 PM (Lisbon) Conference Planning Committee (CPC) Sylvie Bourgeois

Jay Hendricks, Scientific Director, March 20th, 2020

Jay Hendricks

Scientific Director, 2019-2022

IUVSTA



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