

**Minutes of the IUVESTA STD meeting**  
**ECM 119**  
**Dubrovnik, Croatia**  
**Saturday October 11<sup>th</sup>, 2014**

**1. Opening**

The STD Director David Ruzic opened the meeting at 14:22. According to the Agenda, a short welcome was followed by the attendance, in the attachment. Note: vote has the STD Director, Scientific Secretary, Education Chair, Miran Mozetic and the 9 division chairs, 8 present in the room (NSD Division is not represented) means there were 11 votes possible.

**2. Attendance**

Members: David Ruzic, Christoph Eisenmenger-Sittner, Mariano Anderle, Lars Montelius Jean Jacques Pireaux, Francois Reniers, Andrej Vincze, Timo Gans -PST, Manfred Leisch - VSTD, Peter Varga-SSD, Ivan Petrov –SED, Alberto Tagliaferro –TFD, Anouk Galtayries – BID vice, Ivana Capan – EMPD, Miran Mozetic – Education chair, Bonnie Tyler – ASSD.

Observers: Diedrik Depla, Daniel Verniere, Ulf Karlsson, Alireze Moshfegh, Leszek Markowski, David Sykes, Reinhard Schwarz, Ulf Helmersson, Joe Greene, Katsuyuki Fukutami, Paolono Manini, Nikola Radic, Frank Richter, Janez Kovac, Laszlo Kövér, Maurizio Dapor, Slobodan Milosevic.

**3. Agenda**

The agenda was adopted as proposed.

**4. Approval of minutes**

The Minutes from the meeting of the STD meeting held in Trento, ECM 118 were posted to the IUVESTA web, no remarks, comments have been received, confirmed. All members voted in favour.

**5. Divisional reports**

**APSSD, Bonnie J. Tyler**, division chair informed about the EVC 13 participation where the scientific programme addressed hot topics in the fields of vacuum science and its applications. A particular emphasis was given to oxide surfaces with the Special Symposium on "Ultra thin oxide films and oxide coatings applications". The conference featured 5 Plenary speakers, 23 Invited speakers, and over 200 contributed talks and posters. The next point is an AIV organized course on on chemical vapor deposition, plasma deposition technologies and surface characterization (title: CORSO DI TECNOLOGIE di deposizione PVD e CVD. The 73th IUVESTA Workshop on Nanostructures on two dimensional solid was held 22 – 26 September in Eissenerz Austria. This workshop was in conjunction with the NSD division, where 20 invited presentations, 4 contributed talks and 11 poster presentations were presented and discussed.

The next events are the 74<sup>th</sup> IUVESTA workshop, supported by the ASSD. ASSD is sponsoring a workshop proposal in a bid on Low Energy Electrons: Dynamics and Correlation near Surfaces and Nanostructures (LEE2015) which is proposed to be held 7th – 11th September 2015 at Herrnstein Castle near Vienna, Austria. Also ASSD is co-sponsoring a proposed workshop on Nanoparticle concentration, chemistry and interfaces, which is proposed for 20th - 24th April 2015, in Peckforton Castle Cheshire, UK.

**BID, Anouk Galtayries**, vice chair informed about the 74<sup>th</sup> IUVESTA workshop organization, which was slightly modified due to overlapping the conference dates in Dubrovnik. 40 participants are expected from many different countries including the 12 invited speakers. The division prepared and submitted a workshop proposal in 2015 on "Nanoparticles concentration, chemistry and interfaces", organized by C. Minelli and A. Shards (NPL), F.

Hook (Chalmers) and D. Baer (PNL), G. Ceccone (BI, JRC) and to be held at Peckforton Castle (UK) from 20<sup>th</sup> till 24<sup>th</sup> April 2015.

**EMPD, Ivana Capan**, division chair, overview of the division activities, ECV13 participation in Aveiro, Portugal. Also prepared and submitted a proposal for workshop on "Sheath Phenomena in Plasma Processing of Advanced Materials,, (Timo Gans). The division is active in the organization of IX International Workshop on Semiconductor Surface Passivation in Poland (to be presented by Jacek Szuber in Graz-ECM120)

**NSD, on behalf of Christian Teichert**, the scientific secretary informed the STD from the submitted division report. The 73th IUVSTA workshop was held in Eisenerz, Austria. Short report about the ICN+T conference held in Vail, Colorado, US with regard to the invited speakers distribution from all the world was given. The upcoming ICN+T will be held in Brno, Czech Republic in 2018, and also the future of the ICN+T meeting were discussed. The next ICN+T will be held in conjunction with the IVC 20 in Korea. The program chair prof. Young Kuk invited the NSD to nominate 4-6 members for the IVC-20 Program Committee. The officers of NSD agreed to serve in the committee and we asked among the NSD national representatives Nancy, Burnham, U.S.A., Hideaki Kasai, Japan, and Antonin Fejfar, Czech Republic to join the committee.

**PSTD, Timo Gans**, division chair, informed about a participation in a XXII Europhysics Conference on Atomic and Molecular Physics of Ionized gases in July 2014 in Greifswald, Germany. The division sees a lot of potential cross-divisional activities. As a result a proposal for a workshop with the EMPD was submitted with a title "Sheath Phenomena in Plasma Processing of Advanced Materials" in Slovenia.

**SED, Ivan Petrov**, division chair, introduced the members of the division, informed about the 72th IUVSTA workshop on Plasma assisted vapour deposition of oxide thin films and coatings held in Austria in April 2014. Also report was given from the 12<sup>th</sup> IUVSTA School in San Servolo, Italy. Ivan Petrov informed about a workshop proposal for 2015.

**SSD, Peter Varga**, division chair, summarized the activities about ECOSS conference collaboration, proposed workshops by L. Segovia.

**TFD, Alberto Tagliaferro**, division chair summarized the activities in the ICTF, The next ICTF will be in Mumbai, India in 2017.

**VSTD, Manfred Leisch**, division vice chair, introduced the division activities, submitted proposals for workshops, IVC 20 issues, EVC in 2016 will be held in conjunction with JVC in Slovenia, Portoroz. Also discussed a Planned Future Workshops, where a proposal was submitted by Joe Herbert, "Functional Surface Coatings and Treatment of UHV/XHV Applications" for 28th September - 1st October 2015 for an endorsement. This was endorsed. The workshop proposal from the ECM118, submitted by I. Arakawa for 2016 before the IVC 20 will be discussed in the next section of the meeting.

## 6. Workshops proposed for the ECM 119, discussion and approval about the proposed WS

	Submitted by	Country	Place/country	Date	Supp. IUVSTA div.	Title
1.	M. Rocca	Italy	Santa Margherita Ligure/Italy	October 26-30/2014	SSD, ASSD	Perspectives on surface plasmons and plasmonics in low-dimensional

nanostructures

2.	T. Gans	Slovenia	Cerklje na Gorenjskem/ Slovenia	19th – 23rd January 2015	PST, EMPD SSD,	Sheath Phenomena in Plasma Processing of Advanced Materials
3.	M. Dapor	Italy	Trento/Povo/Italy	June 2015	ASSD ASSD, TFD, SSD,	Carbon based materials char, experiment and simulation
4.	J. L. de Segovia	Spain	Avila/Spain	July 6-10/2015	APSSD	Oxide nanostructures on metal surfaces
5.	W. Werner	Austria	Herrnstein/Austria	7th – 11th September 2015	ASSD	Low Energy Electrons: Dynamics and Correlation near Surfaces and Nanostuctures
6.	I. Arakawa	Japan	Fuefuki/Japan	Aug 15-20/2016 or Aug 28-Sept 3/2016	VST	Surface processes, gas dynamic and vacuum technology of cryogenic vacuum systems

All workshops were presented and commented/discussed by the audience. The Workshops were presented in the order described above by in this order: **P. Varga, T. Gans, M. Dapor, A. Tagliaferro, L. Kövér and K. Fukutami.** Also brief information was given about the workshop proposal by B. Tyler, but not considered for voting, because this proposal along with one more (I. Petrov SED) were submitted late.

The Scientific Director organized a secret ballot voting. The voting procedure is: max 11 votes, 8 division chairs are present, Education chair, STD director and Sci. Secretary  
The voting result:

Workshop number	Yes	No	Abstention
1.	1	10	
2.	11	0	
3.	4	6	1
4.	6	5	
5.	4	7	
6.	10	1	

According the results the STD will propose workshops #2, #4, and #6 to the ECM 119 for final approval as the IUVSTA Workshops. No 75, 76 and 77.

The 75th IUVSTA workshop is proposed to be the workshop in Cerklje na Gorenjskem/Slovenia in January 19-23, 2015 proposed by T. Gans with the title Sheath Phenomena in Plasma Processing of Advanced Materials.

The 76th IUVSTA workshop is proposed to be the workshop in Avila/Spain in July 6-10, 2015 proposed by J. L Segovia with the title Oxide nanostructures on metal surfaces.

The 77th IUVESTA workshop is proposed to be the workshop in Fuefuki/Japan in August 15-20, 2016 proposed by I. Arakawa with the title Surface processes, gas dynamic and vacuum technology of cryogenic vacuum systems as a satellite event of the IVC 20 in Korea.

**7. Schools proposed for the ECM 119**, there are no proposals for schools.

**8. Proposals for IUVESTA endorsement**, J. Herbert, VSTD, and B.Tyler ASSD for workshop.

**9. TTC proposal**, no new ones were submitted

Dr. Javaid A. Bhatti asked for prolongation of the 16<sup>th</sup> TTC in Pakistan, because not realized yet, it should be rescheduled for December 2014 – January 2015.

Citation from email

Mail Bhatti, Oct. 7th, 2014

"Due political unrest in Islamabad during the month of August 2014, PVS had postponed the Course on Applied Vacuum Technologies which was scheduled from August 26-28, 2014, in Islamabad. IUVESTA had sent Euro 2500/- for this event for supporting students and technicians. This amount is with the PVS.

Now this event will take place in the last quarter of December 2014, OR Mid January 2015.

Final date will be decided in the PVS meeting in next week. I shall inform you the next dates after this meeting.

On behalf of PVS, I request IUVESTA concerned committee to please extend the availability of these funds to PVS to be utilized during the same training course in Dec. 2014 - Jan. 2015 period. I hope, PVS request will be considered favorably."

The STD agreed to postpone the TTC #16, but it must happen before the ECM 120 in Graz.

This proposed TTC in Islamabad, Pakistan with title Applied Vacuum Technology will be the 16<sup>th</sup> IUVESTA Technical Training Course (#16).

#### **10. Divisional statuses**

Some IUVESTA Divisions have and some do not have statuses (2 of 9). This situation should be updated, has to be updated and modified the wording and the election procedure. The Secretary General will add information here to make the Divisions consistent.

#### **11. Any other business**

Members were encouraged to fill in the directory.

#### **12. Closing remarks**

The chair D. Ruzic closed the STD 17.03 local time

#### **Motion to Adjourn**

Recorded by A. Vincze, Scientific Secretary, October 11, 2014