

Minutes of the IUVSTA Education Committee Meeting
ECM 126
Sofia, Bulgaria
Saturday 30th September 2017

Agenda:

1. Opening
2. Attendance
3. Adoption of Agenda
4. Confirmation of minutes
5. Visual Aids
6. Technical Training Courses
7. Short Courses
8. Review Paper
9. Any Other Business
10. Closing Remarks
11. Adjourn

1. Opening

The chairman of the Education Committee, Miran Mozetič, opened the meeting at 11:15.

2. Attendance

Members: Miran Mozetič (chair), Manfred Leisch (vice chair), Lars Montelius, Francois Reniers, Anouk Galtayries, Andrej Vincze, Christoph Eisenmenger-Sittner, David Ruzic, Deborah O'Connell, Joe Greene, Anton Stampfl, Sylvie Bourgeois, Ute Bergner, Geun Young Yeom, Martin Wuest, Ivan Petrov, Jay Hendricks, Maja Buljan, Par Omling

Observers: Daniel Verniere, Fumio Komori, Ana G. Silva, Marcelo Juni Ferreira, Timo Gans, Haiming Guo, Francesco Fracassi, Enrico Maccallini.

3. Agenda

The agenda was adopted as proposed.

4. Confirmation of minutes

The Minutes from the Education committee meeting in Rogla, Slovenia, on 11th March 2017, have been confirmed. All members voted in favour.

5. Visual aids

The Aids are now available for downloading upon registration of a user at <http://www.iuvsta.org/iuvsta2/index.php?id=2072>.

6. Technical training courses

No bid for organization of a technical training course was received.

7. Short courses

A couple of short courses were organized since the last ECM in Rogla: One in Brazil and the other in France.

The technical training course entitled "Thin films: Deposition methods and surface characterization" was organized in conjunction with the 38th Brazilian Congress of Vacuum Applications in Industry and Science (www.inpe.br/cbravic2017/) in Sao Jose dos Campos, 21-25 August 2017. The report was prepared by Pedro Nascente and submitted to Education committee

within a couple of weeks after the meeting. Lecturers were Angelo L. Gobbi, Brazilian Center for Research in Energy and Materials (CNPEM), Nazir Monteiro dos Santos, National Institute for Space Research (INPE), and Pedro A. P. Nascente, Federal University of Sao Carlos (UFSCar). Numerous technicians, undergraduate and graduate students of engineering, physics, and chemistry attended the course. After the short course, a visit to the Diamond and Related Materials (DIMARE) Group of the INPE's Associated Laboratory of Sensors was organized, where the students and instructors observed the growth of DLC and nano-diamond thin films. The IUVSTA grant of 2,000 Euro covered partially the expenses, and the students' fees were waived. Another short course was organized by French vacuum society in Montpellier, 24-25 September 2017, in conjunction with ECASIA conference (24-29 September 2017). The course was entitled "XPS Workshop". The report has not been received by the Education committee meeting in Sofia.

One new bid for organization of a short course was submitted by Portugal Vacuum Society. The title was Nano-Bio Engineering for Medicine, the proposed venue Life and Health Sciences Research Institute and International Iberian Nanotechnology Laboratory, Braga, Portugal, the duration May 2nd – May 18th 2018. No major conference was foreseen in conjunction with this short course. The bid was presented by Ana G. Silva. An extensive discussion developed after the presentation. A general remark was that this activity is not really a short course but rather a school. The guidelines adopted by IUVSTA state that "The Union supports the presentation of Short Courses in various countries in association with major international conferences", but in the case of this bid no conference was foreseen. Several committee members suggested to shift this bid to Scientific Directorate. A voting was executed and the majority members voted for treating this bid as a school, not a short course.

8. Review paper

The review paper on base of the presentations at IUVSTA Highlights Seminar on 23rd October 2015 in San Jose, California, was accomplished and sent to NIST on 19th August 2017 for further improvement. The paper is entitled "Recent Developments in Surface Engineering, Thin Films, Nanoscience, Biomaterials, Plasma Science, and Vacuum Technology". It contains over 100 pages, 50 figures and 200 references. By the meeting in Sofia we haven't received a reversed version from NIST. Many committee members commented on the slow process. To avoid such delays in the future it was agreed that next time, the presenters of the IUVSTA Highlights will have to submit drafts of their contributions before the Highlights seminar (next one will be in conjunction with VASSCAA-9 conference in Sydney, Australia, 13-16th August 2018). It was agreed that the paper should be published before the next ECM.

9. Any Other Business

There was no discussion.

10. Closing Remarks & Adjournment

M. Mozetic adjourned the meeting at 12:00.

Minutes prepared by Miran Mozetic on 19th October 2017.