

STD Minutes

ECM-97, February 20, 2005

Lanzarote, Spain

Item 1

Dra. Asensio had opened the Scientific and Technical Directorate Meeting, welcoming the attendees, and thanking Spanish hosts for their hospitality. She reported that the first contact has been established with the new chairs and vice-chairs of each Division. A description of the activities developed by the Divisions has been one of the main topics of the meeting. She was inviting Divisions to review their work, pointing out eventual common future activities, as well as the promotion of new actions inside each Division. A comprehensive description of the IUVSTA general procedures for endorsement and request of economical support for IUVSTA workshop and schools have been detailed.

Apologies have been given for the absence of following chairs: Prof. Hans Joachim Guntherodt (NSD), David Ruzic (PSTD), Neal D.Shinn (SSD), Gary McGuire (EMPD).

Item 2

The minutes from ECM-97 have been distributed electronically and are already available on the Website. They were approved with minor changes.

Item 3

Scientific Director' report: Dra. Asensio has indicated that as a result, of the first contacts with the Divisions, the following priorities for the STD activities for this Triennium have been identified:

1. - ***Strengthen the organization of each division.*** Promote the participation of each member and ensure abundant and timing information carrying the essential Divisional activities to the members of the Divisions, Councillors and Alternative Councillors, members of the Electoral College as well as the National Societies contacts.

2. - ***Revision of the characteristic topics of each division.*** Renovate and/or modify the actual topics evaluating their current repercussion in the scientific community.

3. - ***Encourage the development of the website of each division,*** white IUVSTA WEB site. Improve the visibility of the Division objectives and their activities by enriching its site in Internet.

4. - ***Promote the number and quality of workshop, schools and conferences*** organized by each Division

5. - ***Identify regional academic and technical needs,*** by requesting to the National Societies information about their scientific and technical activities.

6. - ***In order to help small National Vacuum Societies,*** STD will develop a standard Website for IUVSTA workshops, schools and small conferences. This package will be provided free together with a set of indications to make easy to IUVSTA scientists to setup and advertise widely the IUVSTA meetings. Several work meetings have been planned

with the Publication Committee in order to search the best way to integrate this site into the new IUVSTA Website.

7. - ***Creation of a basic technological consulting service supported by IUVSTA*** will be evaluated avoiding any eventual damage neither to the Union nor to the National Vacuum Societies.

8. - ***Each division needs to evaluate its contribution to the next IUVSTA highlight meeting.*** Activities evolving more than one Division will be favoured.

9. - ***Identify new scientific actions,*** which could encourage a clear progress of the Divisions.

It has mentioned that the discussion with the members and Chairs of Scientific Divisions will continue, straightening some of the items pointed out above as well as adding new ones.

Item 4

REPORT ON APROVED IUVSTA WORKSHOPS AND SCHOOLS

WS#42: “ Electron Scattering At Surface And Interface Layers Of Solids”

July 4-8, 2004

Sponsored By ASSD And SSD

Venue Debrecen, Hungary

50 attendees with 9 experts

School #6: “ School On Science And Technology At The Nanoscale”

July 13-18, 2005

Sponsored By NSD

Venue Czech Republic

Approved ECM-95, 15.000 CHF

School #7: “International School On Advanced Synchrotron Radiation Techniques For The Fine Analysis Of Materials“

July 17-22, 2005

Sponsored By ASSD, SSD, TFD

Venue Avila, Spain

Approved ECM-95, 15.000 CHF

IUVSTA ENDORSEMET

“Spectroscopies In Novel Superconductors “

July 11-16, 2004

Venue Sitges , Spain

Approved ECM-94, Endorsed

“10th Joint Vacuum Conference Jvc-10 “

September 26-30, 2004

Venue Portoroz, Slovenia

Approved ECM-94, Endorsed

Item 5

APPROVAL OF NEW WORKSHOPS

Dra. Asensio noted that STD had received two workshops, but that only one has been approved, which she wished to submit to the ECM for its approval.

The two-presented workshops are:

WS#43: “Chemical Resolution In Scanning Probe Microscopy”

December 6-10, 2005

Sponsored By SSD

Venue Zakolap, Poland

Approved STD-ECM97, 10.000 CHF

WS#00: “Toward The Future Electronics: Fundamental And Device Applications”

December 6-10, 2005

Presented by NSD

Venue Chine

Dra. Asensio put the motion: “This ECM approves Workshop No 43 on “Chemical Resolution In Scanning Probe Microscopy” with expenditure of up to 10k CHF”.

It was approved unanimously.

The second workshop will be slightly modified and presented again by the Chinese Vacuum Society, for consideration of the ECM, in the near future.

Item 6

ANNOUNCEMENTS

First Announcement

3rd International Conference On Materials For Advanced Technologies ICMAT2005

9th International Conference On Advanced Materials ICAM 2005

To be held in Singapore

3-8 July 2005

Japan Vacuum Societies

First Announcement

XXII International Symposium On Discharges And Electrical Insulation In Vacuum

To be held in Matsue, Japan

September 25-29, 2006

Japan Vacuum Societies

Item 7

There had been no requests for IUVSTA endorsement of any events.

Item 8

Divisional Reports

8.1 Applied Surface Science Division (ASSD)

Prof Monika Jenko, chair of the Division, presented the ECM-97-10B-01_Division Report. She identified the need to expand the scope of the Division to include bio-materials and said that new committee members would cooperated to meet this need.

8.2 Electronic Materials and Processing (EMPD)

Dra. Asensio said that she had not received a formal report. However, she reported progress on the set up of the new members of the Division. Also, an active debate is being developed inside the Division to identify those main topics, in which will be focalized the Workshop that is planned to be presented in the near future by the Division.

There were no questions or comments.

8.3 Nanometer Structures Division (NSD)

Prof. H.J. Guntherodt chair of the Division has apologised for being unable to attend the ECM97. He has sent a report and Highlights to Prof. Gao, who presented the NSD report. There were no questions or comments.

8.4 Plasma Science and Technology Division (PSTD)

Prof. David Ruzic chair of the Division has apologised for being unable to attend the ECM97. Joe Greene has read the Divisional report.

The newly constituted executive committee exchanged several emails and phone calls over the last month. The consensus opinion is that the Division would like to request IUUSTA sponsorship for a WS to be held in 2006. It would be a joint meeting with the second Center of excellence forum on plasma science and technology to be held in Postdam Germany in July 2006. The first forum was held in Nagoya Japan in April 2004. The scope of that forum can be viewed by looking at the following website. [Http://www.plasma.coe.nagoya-u.ac.jp/coe_forum/index.html](http://www.plasma.coe.nagoya-u.ac.jp/coe_forum/index.html). Prof. Hideo Sugai, secretary of our Executive Committee is taking the lead in organizing both the WS and the Forum.

There were no questions or comments.

8.5 Surface Science Division (SSD)

Prof. Neal Shinn chair of the Division has apologised for being unable to attend the ECM97. Dr. Asensio reported on the Division activities on behalf of the Division chair.

Prof. Marek gave a presentation describing the Workshop #43 proposed by the Division entitled "Chemical Resolution In Scanning Probe Microscopy". Also, he has informed that the Polish Vacuum Society has organized the "Short Training Course On Vacuum Technique" with the support of IUUSTA.

There were no questions or comments.

8.6 Thin Film Division (TFD)

Prof. Roger de Gryse chair of the Division, presented the Division Report. He invited Lars Johansson to give a short presentation on the forthcoming ICTF13 meeting to be held in Sweden in June 2005. Roger de Gryse showed a view graph summarising attendance at recent ICTF meetings, a clear decrease in number attending the conference series was evident. The importance of the Stockholm meeting for the

Division was highlighted. It was reported that the Division committee had agreed upon Ghent, Belgium, as the venue for ICTF14 to be held in 2008.

Prof. Valbusa commented on the declining numbers attending the ICTF meeting and expressed the hope for a better attendance at ICTF13. He suggested that perhaps new material needed to be introduced into the conference content, possibly by holding joint meetings.

8.7 Surface Engineering Division (SED)

Bill Sproul chair of the Division, presented the Division Report.

There were no questions or comments.

8.8 Vacuum Science and Technology Division (VSTD)

Janez Setina chair of the Division, presented the Division Report.

There were no questions or comments.

Item 9

DIVISION WEB ISSUES

Dra. Asensio commented that the best way for the Division chairs to transfer information will be by completing the web site content. It has been noticed the relevance of having the new IUVSTA web site on line in order to re-structure the Division sections, as soon as possible.

Respectfully submitted

H.J. Gao

Scientific Secretary