



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

## Introduction

The publication committee decided to resume the IUVSTA New Bulletin in keeping with committee's primary goal to facilitate exchange of information within the Union. We continue with Issue No 162, following No 161 from 2007. The committee also intends to keep the web-site up-to-date and invites everyone, Officers, Committee Chairs, Division Chairs, Councilors to submit relevant information. You can email me material on all aspect of IUVSTA activities to be posted on the web-site and to be included in the news bulletin.

Ivan Petrov, Publication Committee Chair

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## An Inaugural Message from the President (excerpts, Beijing, August 2010)

The whole message is available at <http://www.iuvsta.org/iuvsta2/index.php?id=2038>

Jean-Jacques Pireaux, IUVSTA President



The IUVSTA is a Union of national member societies whose role is to stimulate international collaborations in the fields of vacuum science, techniques and applications and related multidisciplinary topics, including solid-vacuum and other interfaces. For all the IUVSTA activities, the reports heard during General Meeting gave you a flavour of them; details can be found on our website.

How did I come to be connected to the Union? Let's go back, more than 15 years ago, when I was asked by my former PhD advisor to help with the IUVSTA, as no councilor from Belgium did attend the regular Executive Council Meetings for a long time, in flagrant violation of the Statutes. Convinced that IUVSTA has worldwide specific and valuable scientific output for my field of research, I joined the Union, as Councillor, as Alternate Councillor, as guest; I've been responsible for relations to the Belgian Ministry of Justice (for modifications of the Union Statutes), to the Belgian Ministry of Finances (for the income taxes), as the IUSTA is a Belgian non-profit organization.

Today, I'm deeply honoured to be able to serve as the IUVSTA President until IVC19 –Paris in 2013; and I'm very grateful to all of you who have given to me the opportunity to do so. Be confident: I will make all possible efforts to maintain - better increase -the momentum that drives our Union, from my base camp, Namur University, Belgium!

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It is with great pleasure that I thank Bill Rogers, now past-president, for all his continuous work for the Union; I also thank the " team" (the Secretary General, the Officers and yje STD members, the Councillors, the Chairs of Divisions and Committees...) who have brought the IUVSTA to the present situation, and who brought me here, now.

Belgium has a long tradition of an open and welcoming country and ... a tradition to find compromises to solve problems...I will face problems if they present, but I count on all of you to work out , with me, the objectives of our business plan. A captain has to work closely with his crew members; I ask the Officers, Councilors, Chairs of Divisions and Committees to communicate openly opinions and suggestions for improvement.

Let's work enthusiastically together!

## Executive Council Meeting 111

Ron Reid, IUVSTA Secretary General



The Executive Council met for the first full meeting of the Triennium in Wépion, just outside Namur in Belgium over the weekend of the 11<sup>th</sup> to 13<sup>th</sup> March 2011. In a sense we were back to our roots, for the growth of the tree that is now IUVSTA started with seed planted at the 1<sup>st</sup> International Vacuum Conference held in the Casino at Namur in 1958.

The format of the Council Meetings is that most of the members of the Council – the Officers, Councillors, Alternate Councillors, Divisional Chairs and observers – arrive either on Friday afternoon or Saturday morning. (Some from distant parts get there Thursday or very early Friday morning!). So as usual work started mid afternoon on Friday and the first

open meeting was the Long Range Planning Committee chaired by the President Elect, Mariano Anderle. This meeting was unusually well attended and a very wide ranging discussion was held, mainly thinking about the profile of the Union, its scientific and educational activities, the website, and what to offer emerging countries. The Councillor from Pakistan, Javaid Bhatti, presented a proposal for establishing an international vacuum institute under the auspices of IUVSTA. Many people were new to the workings of the Union and so introductions were made at the start of the session. It was good that new people were contributing effectively to the discussion. Friday evening saw us relaxing over dinner and refreshments, getting to know one another more informally.

Following an early (8:00am) start, much of Saturday was taken up, as is normal, with meetings of the various Committees and of the Scientific and Technical Directorate, many of which engendered lively discussion and many good ideas. However, all is not work and the Belgian Vacuum Society hosted an excellent dinner at the Restaurant des Tanneurs in the evening. This restaurant apparently was used for the conference dinner in 1958.

Sunday morning saw us back at work with the meeting of the full Executive Council. The various reports presented showed that the Committees were getting into their full stride and a vibrant programme for the Triennium appears to be developing. Approval was given for a School on *Physics at the Nanoscale* (details elsewhere). The record of the meeting will be on the web site in due course.

Members of the Executive Council could go back home to their own normal activities feeling that they had spent their time usefully. The Council next meets in Slovenia in September 2011 for ECM 112, but with the new constraints on when we can hold the first meeting in the year, we were unable to discuss a venue for ECM 113.

## IUVSTA Statues



On Sunday 13<sup>th</sup> March 2011, a long process was finally completed when an Extraordinary General Meeting of IUVSTA adopted the new Statutes and By Laws which had been agreed at GM 17 in Beijing in August 2010. They came into operation at noon GMT on Monday 14<sup>th</sup> March, and are now on the website as organisational documents.

It will take some time before the Procedures Manual is updated to reflect the new ways of working.

The EGM was convened at noon with a Notary, M. Philippe Balthazar, in the chair reading the order paper for the meeting, including the French (definitive) version of the Statutes in full. After the unanimous vote in favour by the representatives of the member Societies, the formal record of the meeting was signed by all of them.

The photograph (courtesy Ivan Petrov) shows M. Balthazar counting the votes for this historic event.

One twist we did not realise earlier is that the first Executive Council Meeting in each calendar year (which will be a General Meeting) has to be in the first three months of the year to receive the accounts and adopt the budget. To allow time for the accounts to be prepared, this really means it will need to be in the latter half of February or in March each year, so this will change our cycle of meetings somewhat.

## From the Scientific Director

David N. Ruzic, Scientific Director



Every triennium starts with rays of hope and bubbling optimism. I hope to maintain that through the full three years. The Scientific Directorate only works as well as the Chairs of the Divisions work to support it. Our number of Divisions is now nine with the addition of BioInterfaces. While BioInterfaces will have to wait for formal approval in Paris in 2013, it will be treated equally to any other Division these three years. We have a good group of division chairs and I plan to keep in frequent communication with them. Already I know of three or four workshop proposals for the next ECM meeting. Stay tuned for exciting developments!

## Future Events



**The 19th International Vacuum Congress (IVC-19)** will be held in Paris (France), on September 9-13, 2013, in conjunction with the International Conference on Nanoscience and Technology (ICN+T 2013), the 15<sup>th</sup> International Conference on Surface Science (ICSS-15), Innovations in Thin Film Processing and Characterisation (ITFPC 2013), Magnatron, Ion Processing & Arc Technologies European Conference (MIATEC 2013), the 19<sup>th</sup> International Conference on Plasma Processes (CIP 2013) and

Reactive Sputter Deposition (RSD 2013).

This event will provide a unique worldwide opportunity to professionals in the academic and industrial research communities to share their latest scientific findings and technological developments in the fields of materials, coatings, nanosciences and surfaces. Invited speakers, including Nobel Prize winners, will present the state-of-the-art in their research fields. About 2,000 presentations will be made in 15 parallel oral sessions and 3 poster sessions.

Supporting this will be an exhibition of scientific instruments and a program of relevant short courses.

The congress is organised on behalf of the International Union for Vacuum Science, Technique and Applications (IUVSTA) by a consortium of European Vacuum Societies (Belgian Vacuum Society, British Vacuum Council, Croatian Vacuum Society, Czech Vacuum Society, French Vacuum Society, Hungarian Vacuum Society, Portuguese Vacuum Society, Slovak Vacuum Society, Slovenian Vacuum Society) willing to work together in close interaction to increase scientific and technical links and collaboration within Europe.

For further information, please visit the congress web site: [www.ivc19.com](http://www.ivc19.com)



General Chair:  
M.G. Barthés-Labrousse (F)



Program Committee Chair:  
Francois Renier (B)

Future Events Continued

**ICTF-15**  
**15th International Conference  
on Thin Films, 2011**  
Conference Site : Kyoto TERRSA  
**Kyoto, Japan. 8-11 November 2011**

organized by The Vacuum Society of Japan  
on behalf of IUVSTA

<http://www.ictf15.jp/>

**64th IUVSTA Workshop  
on Practical Applications  
and Methods of  
Gas Dynamics  
for Vacuum Science  
and Technology**

**16 – 19 May 2011**

<http://www.itep.kit.edu/VGD-2011>



**First announcement of the 10<sup>th</sup> IUVSTA School**

*International Summer School on Physics at Nanoscale*

30<sup>th</sup> May – 4<sup>th</sup> June 2011

**Devět Skal, Czech Republic**

<http://www.fzu.cz/~iss>

