



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

Contents of IUVSTA News Bulletin Issue 194

IUVSTA Events

Report on ECM 141 for IUVSTA bulletin	2
The 17 th European Vacuum Conference and the 37 th European Conference on Surface Science	4
The 100 th IUVSTA workshop on responsible surface engineering	5

An IUVSTA Endorsed conference

French Vacuum Society Conference: SIMS-24	6
---	---

Member Society News

Croatian Vacuum Society: JVS-19	7
The Japan Society of Vacuum and Surface Science: Call for Abstracts for ISSS-10	8
American Vacuum Society Conference: PacSurf 2024	10

Ivan Petrov, petrov@illinois.edu

IUVSTA Communications Committee Co-Chair



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

Report on ECM 141 for IUVSTA bulletin Fully virtual meeting, Friday, March 22nd, 2024

The 141st Executive Council Meeting of IUVSTA (ECM 141) was held on Friday, March 22nd, 2024 as a fully virtual meeting. The meeting was restricted to the very core business of the Union. Urgent proposals for scientific events like workshops and schools due in 2024 were presented in a very brief meeting of the Education Committee and STD before the ECM. All proposals were rated by STD as very high quality and suggested for funding by the Union with high majorities. After this session, ECM 141 was officially started by the President, François Reniers. The Secretary General, Christoph Eisenmenger-Sittner in collaboration with the Recording Secretary, Ana G. Silva checked the attendance to determine the Quorum. This was confirmed to be 87%, so ECM 141 was found to be safely quorate, and it must be noted, that the virtual components of the meetings of the Union significantly boost the attendance.

After checking the attendance, the president François Reniers issued a brief opening statement. He had to start with the sad news, that Frank Richter, who was deeply involved with the Union as VSTD Chair and as Chair of the Awards and Scholarships Committee, passed away recently. An extensive review on Frank's work for the Union will be given at ECM 141 in the UK. After conveying this message, he highlighted the good spirit and vitality of IUVSTA referring to the engagement of the members and the number of scientific events which were proposed. He also mentioned a few issues which should be resolved in the near future: the statutes of the Union should be changed in accordance to changes in Belgian financial law, further procedures for holding webinars, after IOP has cancelled this service, should be developed and the finances of the Union should be consolidated. All of these items should be tackled with a minimum impact on the day-to-day operation of IUVSTA. After the President finished his opening he handed the word to the treasurer, Arnaud Delcorte, to give his financial report.

The Treasurer shared the screen and reported the summary of the validated budget of 2023 and the financial result sent to the Belgian administration: This summary was validated by an audit on March 19th, 2024. He also reported on the status of the IUVSTA general fund, financial accounts, and the status of the member society subscriptions. Finally, he explained in detail the provisional budget for 2024, concluding that IUVSTA is well balanced financially, although some expanses have to be covered by appropriation from the general fund which is financially appropriate, but should only be done in limited cases. After all questions from the members were clearly answered by the treasurer, the president called for the opening of the 9th Annual General Meeting (AGM 09) of the Union to ratify the validated Budget for 2023 and the proposed budget for 2024. Both items were unanimously approved by the members of the Union in an open vote, and after this vote AGM 09 was adjourned.

Moving on in the agenda, the next item was the vote on the scientific events presented in the sessions of the Education Committee and of the Scientific and Technical Directorate. The following events were proposed to the president for a vote by the Scientific Secretary, Anton Stampfl. They were voted openly by the Executive Council due to the clear recommendation given by the votes taken in STD:



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

- the Workshop entitled "Current trends in low-dimensional materials: from molecular systems to heterostructure nanomaterials ", to be held in San Luis, Argentina, September 2024, approved as the 104th IUVSTA Workshop.
- the School entitled "International Summer School on Physics at Nanoscale", Skalský Dvůr, Czech Republic, to be held June 2024, approved as the 21st IUVSTA School.
- the Technical Training Course entitled "Short Courses and Training for ECOSS37", Harrogate UK, June 2024, to be run in conjunction with the EVC17 and ECOSS 37 conferences, approved as the 30th IUVSTA Technical Training Course.
- the Short Course entitled "Short Courses and Training for ECOSS37", Harrogate UK, June 2024, to be run in conjunction with the EVC17 and ECOSS 37 conference.
- the Short Course entitled " SIMS-24 short course", La Rochelle, France, September 2024, to be run in conjunction with the SIMS 2024 conference.

After the approval of these events by ECM 141, the subsequent item on the agenda was the call for bids for ECM 143, due early spring 2025. In this meeting the applications for the President Elect of the Union will be discussed, and the first round of bids for IVC 25, due in 2031, will be presented to the CPC. So, ECM 143 is a very important meeting, as the Secretary General, Christoph Eisenmenger-Sittner stressed. It should therefore be a face-to-face meeting, and bids for ECM 143 should be submitted and presented at ECM 142 on June 21 – 22 in Harrogate, UK.

Finally, in the Item "Any other Business", the Councillor of France, Sylvie Bourgeois, asked for the endorsement of the Union of the "SIMS 2024" Conference, which was unanimously granted by the Executive Council. Also, the chair of the Awards and Scholarships Committee made a commitment to the Executive Council to update the members of the Union on the status of the various awards issued by IUVSTA.

After concluding Any Other Business, the President expressed his gratitude to all participants of ECM 141 and then checked the motion to adjourn. The meeting ended at approx. 17:00 CET, well ahead of schedule, which could be attributed to the excellent preparations undertaken by all active participants to ECM 141.

Christoph Eisenmenger-Sittner
March 2024

IUVSTA NEWS BULLETIN

Number: 194



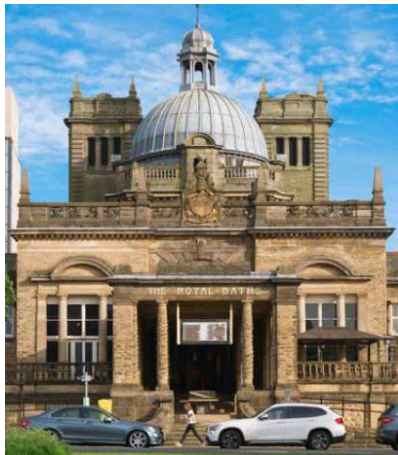
April 2024

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



We are pleased to invite you to participate in this joint conference that brings together:

- the 17th European Vacuum Conference (EVC-17)
- the 37th European Conference on Surface Science (ECOSS-37)
- the 13th Vacuum Symposium UK (VS-13)
- the RGA User meeting



The conference covers all IUVSTA topics:

- Applied Surface Science
- Bio Interfaces
- Electronic Materials & Processes
- Nanometer Structures
- Plasma Science & Techniques
- Surface Engineering
- Surface Science
- Thin Films
- Vacuum Science & Technology



IOP Institute of Physics

BVC

Endorsed by the International Union for Vacuum Science, Technique and Applications (IUVSTA) and the British Vacuum Council (BVC), and organised by the Institute of Physics (IoP).

Harrogate is a beautiful small town in North Yorkshire. It has many hotels, restaurants, places to visit, beautiful nature; located within 20-mins from the historical city York (a city of a long history starting from Roman time through Viking's toward modern time).

Key Deadline Dates:

Abstract submission: 03/03/2024
Early registration: 19/04/2024
Registration: 31/05/2024
Mini-Symposia submission 29/02/2024





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



Registration is open for the 100th IUVSTA workshop, Ludwigsburg, Germany, October 27-31, 2024.

Scope: A specific goal of the workshop is to nucleate and promote research and development on the implementation of the **Sustainable Development Goals** (SDGs) adopted by the United Nations in 2015 into surface engineering and thin film deposition, with a particular focus on the SDG 12 'Responsible Consumption and Production'. This IUVSTA workshop is supported by the [German Vacuum Society](https://www.dvg-ev.de/) (DVG) and with the scope of presumably 40 to 60 participants ideally suited to foster discussions and create awareness of the economical, societal and environmental impact of vacuum process technologies, materials and products. Moreover, this workshop represents the first activity of the recently established **IUVSTA working group on sustainability**. Hence, it should provide a forum for all divisions of the Union and is expected to cause the identification of ideas, challenges and concepts within the IUVSTA communities, which will ultimately lead to reduced footprints.

The key scientific areas of the workshop are:

- Process purity
- Coating purity
- Chemically simple, but microstructurally complex coatings
- Accelerated materials design.

Abstracts can be submitted by email to iuvsta100@mch.rwth-aachen.de until June 7, 2024

For a list of invited speakers and further information visit:

<https://www.iuvsta100.rwth-aachen.de>

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

IUVSTA endorsed conference:



The French Vacuum Society is pleased to announce the **24th International Conference on Secondary Ion Mass Spectrometry (SIMS-24)** to be held on **September 8-13, 2024**, at the Espace Encan Conference Center in the city of La Rochelle, France.

IMPORTANT DATES

1st February 2024	Call for papers
1st February 2024	Registration opening
15 April 2024	Deadline for early bird rate
30 April 2024	Deadline for submission
15 June 2024	Authors notification
1st July 2024	Program online
31 July 2024	Deadline for regular rate
15 August 2024	Deadline posters submission

For information: <https://www.sims-24.com/>

IUVSTA NEWS BULLETIN

Number: 194



April 2024

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



JVC-19

19th Joint Vacuum Conference



On behalf of the Organizing Committee, it is our pleasure to announce that the **19th Joint Vacuum Conference (JVC-19)** and the **30th Croatian Slovenian International Scientific Meeting on Vacuum Science and Technique** will be held at the Hotel Le Meriden Lav in **Podstrana near Split, Croatia** biggest city on Adriatic coast, between **29th September and 04th October 2024**.

Conference web page: <https://jvc19.org/>

Important dates

- **Registration start:** February 26th
- **Early bird:** until June 15th
- **Late bird:** from June 16th to September 6th
- **Abstract submission:** until June 14th
- **Abstract approval notification:** July 10th

Conference fee (early/late)

- **Participant:** 600/700 €
- **Student:** 500/600 €
- **Accompanying person:** 300/350 €

Social programme

- **Welcome reception and welcome dinner**
- **guided tour of Split old town with a focus on Diocletian's Palace (UNESCO World Heritage site)**
- **Conference dinner at konoba Rudine**

Accommodation

Le Meridien Lav 5*

Conference venue hotel

<https://www.lemeridienSplit.eu/>

**We look forward to seeing you
in Podstrana at JVC-19!**

Sincerely,

Nikša Krstulović

Nikša Krstulović, chair of JVC-19



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

Call for Abstracts for ISSS-10

The Japan Society of Vacuum and Surface Science (JVSS) is pleased to inform you that the 10th International Symposium on Surface Science (ISSS-10) will take place from 20 to 24 October 2024 in Kitakyushu, Japan, in conjunction with the JVSS Annual Meeting 2024 (JVSS2024).

<https://www.jvss.jp/conference/iss10/>

Scope & Background

ISSS-10 is the 10th in a series of international symposia organized by the Japan Society of Vacuum and Surface Science (JVSS). The symposium will highlight recent achievements in surface science/vacuum technology and its related fields. Because the properties and functionalities of the materials under external environments are mainly ruled by "surfaces and interfaces", surface science and vacuum technology play an essential role in wide sectors. Discussion on the above mentioned major topics with interdisciplinary studies as the future directions of the fields are strongly encouraged.

Important Dates

Abstract Deadline	May 19, 2024
Acceptance Notice	July 29, 2024
Early Registration Close	Aug. 31, 2024
Manuscript Deadline	Jan. 31, 2025

Correspondence

E-mail: iss10@jvss.jp FAX: +81-3-3812-2897
URL: <https://www.jvss.jp/conference/iss10/index.html>

The 10th International Symposium on Surface Science

ISSS-10

Innovations for a Better Society
October 20-24, 2024

Kitakyushu International Conference Center
Kitakyushu, Fukuoka, Japan



ISSS-10



Venue

Topics & Regular Sessions

1. Surface Structures and Characterization
2. Physics at Surfaces and Interfaces
3. Nanotechnology and Nanomaterials
4. Surface Chemistry and Dynamics
5. Environmental and Energy Applications
6. Soft/Bio Material Interfaces
7. Vacuum Technology and Surface Engineering

Focused Sessions

- * Carbon Neutral
- * 2D Materials and Beyond
- * AI and Informatics

**Abstract submission is accepted
only via the website.**

Plenary Speakers

- **Hrvoje Petek** (University of Pittsburgh, USA)
"Ultrafast hot electron generation in 2D and 3D quantum materials"
- **Junji Nakamura** (Kyushu University, Japan)
"Catalytic mechanism contributing to a carbon-neutral society"
- **Peter Walde** (ETH Zurich, Switzerland)
"A new method for the controlled immobilization of enzymes on silica surfaces"
- **Franz J. Giessibl** (Universität Regensburg, Germany)
"The pull of the atom"
4th Heinrich Rohrer Medal Award Lecture
- **Wilson Ho** (University of California, Irvine, USA)
"Wave-Particle Duality in STM Junction: extension of IETS to excitations in space-time"



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

4th Heinrich Rohrer Medal Award Lecture

Publications:

Conference papers will be published as Proceedings Papers or Full Articles in JVSS's peer-reviewed and open-access journal, e-Journal of Surface Science and Nanotechnology (e-JSSNT).

<https://www.jvss.jp/ejsnt/index-ejsnt.html>

For registrations and more information, please visit the symposium website at

<https://www.jvss.jp/conference/iss10/>

The ISSS-10 organizers warmly look forward to welcoming you in Kitakyushu.

Katsuyuki Fukutani

Chair of the 10th International Symposium on Surface Science (ISSS-10)

President of the Japan Society of Vacuum and Surface Science (JVSS)

University of Tokyo

Ken Nakajima

Chair of the ISSS-10 Steering Committee

Tokyo Institute of Technology



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



Conference organized by the American Vacuum Society

Overview

The AVS Pacific Rim Symposium on Surfaces, Coatings and Interfaces (PacSurf 2024) will be held on the Big Island of Hawaii from December 8-12, 2024. This conference is being organized by AVS with a Steering Committee composed of representatives from Australia, Canada, China, Japan, Mexico, New Zealand, the Philippines, South Korea, Taiwan, and the United States. Symposium attendees will interact during morning and evening sessions, including plenary, invited, and contributed presentations. The main topics for PacSurf 2024 will be focused on the latest advances in **Biomaterial Surfaces and Interfaces, Nano and 2D Materials, Renewable Energy and Energy Storage, and Thin Films and Surface Modification**. We will have morning and evening technical sessions with the afternoons free for other activities and discussions.

The conference will be held in the Waikoloa Beach Marriott Resort and Spa on the Big Island of Hawaii. We are confident you will benefit by attending PacSurf 2024 and networking with the other attendees.



Abstract Submission Deadline: August 9, 2024, Opens May 15, 2024)

<https://pacsurf2024.avs.org/>