

Application Form for the Organization of an IUVSTA Workshop

TITLE OF THE WORKSHOP: IUVSTA Workshop “**Functional nanostructured surface**”

VENUE : University of Mons, Mons, Belgium, EU

DATES (NB workshops should normally be 4-5 days in length): 11 – 14 July 2023

PRINCIPAL THEMES/TOPICS:

The workshop will be focused on, but not limited to, low-dimensional systems, with thematic sessions on:

- **Materials**

Applications & Devices - nanoelectronics sensors, coatings with anti-viral and anti-activities, catalysis

Energy materials - Including photovoltaics, batteries, supercapacitors and fuel cells

- **Characterization**

Defects - studies of doped and irradiated interfaces and the resultant defect structures. Plasma surface interaction, Ion and electron irradiation-induced effects in nanostructured. Cold plasmas.

Transport - studies of the migration of defects, impurities and electrons across interfaces.

- **Theory**

Methods - application of first principles methods to atomistic modeling of non-ideal nanoscale materials. Including advanced approaches for studying excited states and very large systems, and the limits of accuracy in electronic structure calculations.

Multiscale - approaches to link first principles calculations to larger scale methods, such as kinetic Monte Carlo.

Workshop structure: The workshop will last 4 days (Tuesday (morning) – Friday (14:00)). The scientific program will consist of invited lectures from selected worldwide recognized groups. Round tables will be organized to discuss recent results and future trends, while a poster session is scheduled in the evenings. The number of speakers is limited to about 15 in order to have ample time for discussions. Invited talks (55 minutes: 50 +5) and talks (40 minutes: 35 +5), coffee breaks 20 minutes (2/day).

Posters will be attached 2 afternoons (Wednesday and Thursday). All participants will bring a poster for discussions, fast poster presentations for young researchers (5 minutes) on Tuesday.

Invited and contributed speakers will cover the recent progress in synthesis, theoretical modelling and the relevant applied areas. The purpose of this Workshop is to bring together a diverse group of researchers focused on nanoscience and nanotechnology problems that are relevant to environment needs in order to share the state-of-the-art, identify accomplishments and discuss challenges and opportunities.

IUVSTA SCIENTIFIC SPONSORING DIVISIONS:

Nanometer Structures Division
Electronic Materials and Processes Division
Surface Engineering Division

NAMES AND NATIONALITIES OF ORGANIZERS (not more than 4, which must include at least one IUVSTA Divisional Committee member; please identify the Main Organiser and provide their full contact details):

Main Organizer: Prof. Dr. Carla Bittencourt, IUVSTA representative, Belgium Vacuum Society, University of Mons, Place du Parc 22, 7000 Mons, Belgium. Phone+32(0)65554936, fax +32(0)65554941, mobile +32 474727968, Email: carla.bittencourt@umons.ac.be

Prof. Michel Voué, University of Mons, Mons, Belgium
Dr. Polona Umek, Jožef Stefan Institute, Ljubljana, Slovenia
Dr. Chris Ewels, CNRS-Nantes, France

NAMES AND NATIONALITIES OF LIKELY INVITED SPEAKERS:

Eduard Llobet (male, Spanish)
Mildred Quintana (female, Mexican)
Lourdes Escobar (female, Ecuadorian)
Krzysztof Stachowicz (male, Polish)
Maria Chiara Sportelli (female, Italian)

NAMES OF OTHER SPONSORS

FNRS, University of Mons

UNDERWRITING: Who will underwrite any financial loss? (If approved, IUVSTA will make offer sponsorship to a predetermined maximum level and will not have any further financial responsibility)

University of Mons, Carla Bittencourt

CHECKLIST FOR APPLICANTS

Organizers must undertake to fulfil the conditions below. Financial contributions from IUVSTA are conditional upon this undertaking.

I AGREE to -

- PROVIDE full information of event to the IUVSTA Scientific Secretary
- PROVIDE a budget, updated in the event of major changes, to the IUVSTA Scientific Secretary
- PROVIDE Dedicated Website for the event. Give url if known (this information must be passed to the Scientific Secretary before any IUVSTA funds will be released):
Name and e-mail address of person who will maintain the site:

Michel Voué

michel.voue@umons.ac.be

- PROVIDE a report of the event after its completion for the IUVSTA web site
Name and e-mail address of person who will provide this report:

Carla Bittencourt

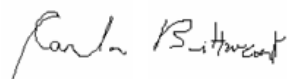
carla.bittencourt@umons.ac.be

- AGREE to include IUVSTA name and logo on all event announcements
- AGREE to use IUVSTA numbering system (e.g. IUVSTA Workshop no NN) on all event announcements
- AGREE to give a short presentation on IUVSTA at the beginning of the event. (Suitable material may be downloaded from the IUVSTA web site <http://www.iuvsta.org>)
- AGREE to distribute IUVSTA material provided to the organizers
- AGREE not to have a published Proceedings of the event
- AGREE to follow the Workshop Guidelines described in the IUVSTA Procedure Manual (downloadable from the IUVSTA web site: <http://www.iuvsta.org>)

I agree to fulfil all the points of the above checklist

Name: **Prof. Dr. Carla Bittencourt**

Date and Signature: 19/08/2022



Budget for the Workshop (2016.10.24-28)

TITLE: IUVSTA Workshop on Functional nanostructured surface

VENUE: Mons, Belgium

DATE: 11 – 14 July 2023

Income	Unit cost (EUR)	Quantity	Sub-Total (EUR)	Remarks
Registration Fee (per person)	150	40	6,000	40 registered participants plus 6 invited speakers
FNRS funding	3,500	1	3,500	Funding supports for invited speakers
UMONS funding	5,000	1	5,000	Lunch breaks/coffee breaks and
IUVSTA funding	6,000	1	6,000	Funding supports for invited speakers
Total (EUR)			20,500	

Expenditures	Unit cost (EUR)	Quantity	Sub-Total (EUR)	Remarks
Meals (3.5 days per person)	120	46	5,520	Lunch breaks and Coffee breaks
Excursion (per person)	0	0	0	Transportation and Tickets
Banquet (per person)	120	46	5,520	
Meeting Rooms (per day)	150	4	600	
Hotel Rooms (3 nights per invited speaker)	410	6	2,460	
			0	
Temporary Labors (per person)	0	5	0	
Miscellaneous	1,000	1	1,000	book of abstracts, paper, pen, bags
Airticket partial funding (outside Europe, per person)	1,500	2	3,000	Partial funding for 2 invited speakers
Airticket partial funding (Europa, per person)	600	4	2,400	Partial funding for 8 invited speakers
Total (EUR)			20,500	

Registration fees include lunches (4 days), coffee breaks and conference dinner.