

## **Application Form for the Organization of an IUVSTA workshop**

**TITLE OF THE workshop:** Synthesis of nanoparticles: applications and new perspectives

**VENUE :** CMD2020GEFES, Madrid (Spain)

**DATES (NB workshops should normally be 4-5 days in length):** August 31<sup>st</sup>-September 4<sup>th</sup>, 2020

### **PRINCIPAL THEMES/TOPICS:**

We propose a workshop focused on the properties of NPs obtained by physical synthesis and other innovative synthesis methods. The colloquium will focus on the relation between the atomic/electronic structures of the NPs and their effectiveness in photocatalysis, energy and magnetic memory applications. Great emphasis will be given on innovative techniques and their potential scalability for industrial applications. An estimated audience of 40-50 attendees is expected.

**Workshop structure:** the workshop will take place within the Conference CMD2020GEFES, and it will consist of three slots of 2 hours each, with 5-6 invited talks (30 mins) and 12-14 contributed talks. There will also be a poster session. The overall length of the workshop will be two days, at present the general program of the conference has not been defined, but they will be two consecutive days in the time between the 1<sup>st</sup> and 4<sup>th</sup> September. Regarding the structure: there will be 2 invited talks and 4 talks for each slot. The main subject will be the synthesis of NPs, with great emphasis on physical synthesis and some selected innovative synthesis. These techniques need generally High Vacuum and Ultra High Vacuum environment. Specific synthesis techniques are conceived for specific physical properties and precision analysis techniques: XMCD and MOKE for magnetic properties, in-flight spectroscopy analysis for free cluster electronic properties, HREM for structure properties. The invited participants have been selected to cover the greatest possible number of these themes. Part of the discussion from the contributions will be about also industrial applications and scalability of the exposed synthesis techniques.

### **IUVSTA SCIENTIFIC SPONSORING DIVISIONS:**

Nanometer Structures 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):

Sergio D'Addato, Italy

Yves Huttel, Spain

### **NAMES AND NATIONALITIES OF LIKELY INVITED SPEAKERS:**

Prof. Paolo Piseri, Università di Milano, Italy

Dr. Lidia Martinez, ICMM-CSIC, Spain

Prof Chris Binns, Universidad de Castilla la Mancha, Spain

Dr. Véronique Dupuis, Université de Lyon, France

Dr. Maria Chiara Spadaro, ICN2, Barcelona, Spain

Prof. Hynek Biederman, Charles University, Czech Republic

## **NAMES OF OTHER SPONSORS**

**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)**

Department FIM, Università di Modena e Reggio Emilia, Italy

## **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):

<http://www.cmd2020gefes.eu/28512/detail/2020-joint-conference-of-the-condensed-matter-divisions-of-eps-cmd-and-rsef-gefes.html>

Name and e-mail address of person who will maintain the site:

It is the general site of the conference, at present I do not know the name of the webmaster

- 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:

Sergio D'Addato

daddato@unimore.it

- 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:

Date and Signature:

[signature]

Budget for the Workshop (2016.10.24-28)

TITLE: Synthesis of nanoparticles: applications and new perspectives  
 VENUE: Madrid, Spain  
 September 1-September 4th, 2020

Income	Unit cost (EUR)	Quantity	Sub-Total (EUR)	Remarks
			0	
Total (EUR)			0	
				fees (360 EUR)
Expenditures	Unit cost (EUR)	Quantity	Sub-Total (EUR)	Remarks
IUVSTA funding to cover the registration fee of 6 invited speakers	360	6	2.160	Support to cover the registration fee of the 6 invited speakers. The other participant will pay the registration fee to the general organization of the conference (CMD2020GEFES)
Total (EUR)			2.160	The rest of the expenditures will be covered by the general organization of the conference

\* Exchange rate EUR/USD ~ 1.14 ; any other relevant exchange rate