

# WELCOME TO



*Twenty-fifth Jubilee Annual Conference*  
**YUCOMAT 2024**  
&  
*Thirteenth World Round Table Conference on Sintering*  
**XIII WRTCS**

Dear Colleagues,

On behalf of the Conference Organizing Committee, it is our pleasure to invite you to attend Joint Event 25<sup>th</sup> YUCOMAT & XIII WRTCS 2024, which will be held September 2-6, 2024 in the Hunguest Sun Resort Hotel, Herceg Novi, Montenegro

## 25<sup>th</sup> Jubilee YUCOMAT Conference

Materials science and engineering incorporate acquiring of knowledge on synthesis and processing of materials, their composition and structure, properties and behavior, functions and potentialities as well as application of that knowledge to various final products. Economic prosperity, life quality, and healthy environment are tightly connected with the improvements in the existing and the development of new materials and processing technologies. These improvements and development can contribute greatly to the national priorities: energy saving, environment and health protection, food, information and communication, infrastructure, transportation, etc.

### MRS-Serbia

President of the Council: **Slobodan Milonjić**  
President of the Presidency: **Dragan Uskoković**  
Vice-presidents: **Velimir Radmilović & Dejan Raković**  
Secretary General: **Nenad Ignjatović**

### International Advisory Board

Honorary Chair: **Robert Sinclair**  
Chair: **Yury Gogotsi**

### Conference Program

SYMPOSIUM A: Advanced Methods in Synthesis and Processing of Materials  
SYMPOSIUM B: Advanced Materials for High-Technology Application  
SYMPOSIUM C: Nanostructured Materials  
SYMPOSIUM D: Eco-Materials and Eco Technologies  
SYMPOSIUM E: Biomaterials

### Confirmed Plenary Speakers

<https://www.mrs-serbia.org.rs/index.php/confirmed-plenary-speakers-2024>

## XIII World Round Table Conference on Sintering

The International Institute for the Science of Sintering (IISS) is an academic association, international, voluntary, independent, non-governmental and non-profit organization. The IISS was established in 1968 in Belgrade, SR Serbia, Yugoslavia by fifteen eminent scientists from 10 different countries, with the main goal to promote excellence in science and technology of sintering and related phenomena at the international level.

### IISS Managing Board

President of IISS Assembly: **Danilo Suvorov**  
President: **Dragan P. Uskoković**  
General Secretary: **Biljana Stojanović**

### Conference Program

- Theory and technology of solid state and liquid phase sintering – fundamental and applied aspects
- Grain boundary phenomena for advanced materials
- Novel sintering methods: sintering under high pressure; shocked wave sintering; cold sintering; severe plastic deformation; low temperature sintering; hot pressing and hot isostatic
- pressing; laser sintering; spark plasma sintering; flash sintering
- Controlled synthesis and processing of nanomaterials;
- Processing and properties of high-entropy materials;
- Microstructural control during sintering at multiple scales from nano to macro level
- Hybride organic-inorganic materials
- Sintering in additive manufacturing
- Application of sintering theory in advanced technology

### Confirmed Plenary Speakers

<https://www.iiss-sci.org/index.php/confirmed-plenary-speakers-2024>

## General Information

**Date:** September 2 - 6, 2024

**Venue:** Hunguest Hotel Sun Resort, Herceg Novi, Montenegro

(<https://www.hunguesthotels.hu/sr/hotel/herceg-novi/hunguest-hotel-sun-resort/>)

## Tutorial for young researchers dedicated to the science and technology of sintering

Three days Tutorial for young researchers dedicated to the science and technology of sintering will be held before at the beginning the YUCOMAT & WRTCS 2024. Distinguished IISS members will be delivery lectures:

- Sintering Fundamentals
- Modern Sintering Technology & Microstructure and Properties of Materials
- Synthesis and Processing of Powder

## Paper presentation, abstract preparation, and publication for the YUCOMAT & WRTCS 2024

The conference will comprise invited plenary lectures (30 min) by the leaders in the field, oral (15 min) and poster presentations. Abstract in English and the registration form should be submitted by May 1, 2024. (the recommended abstract format is given [HERE](#)). The Scientific Committee will evaluate the submitted abstracts and based on their contents, assign the papers, considering author's wishes as much as possible, to the oral or poster presentation. Abstracts will be included in a book of abstracts and distributed to each participant at the conference registration. The preliminary conference program and further information about the conference will be sent to registered participants, who paid the registration fee by July 25, 2024.

## Conference Awards

Joint Award by MRS-Singapore and MRS-Serbia at the YUCOMAT & WRTCS 2024 Conference. Sponsorship of the ten Awards in the financial amount by the MRS-Singapore, to the authors not older than 35 for the best five oral and five posters presentation. Awarded authors will be announced at the Closing Ceremony of the Conference. Each award consists of a financial amount honorarium, diploma, meeting registration fee to attend the next YUCOMAT 2025 conference and a one-year MRS Serbia membership. For more information please visit:

<https://www.mrs-serbia.org.rs/index.php/general-information-2024/awards-2024>



# YUCOMAT and WRTCS

## IMPORTANT DATES

- May 1, 2024: **Abstract Submission Deadline**
- July 10, 2024: **Preliminary Conference Program**
- July 15, 2024: **Regular Registration Fee Deadline**  
(for including in the Book of Abstract)
- July 31, 2024: **Final Conference Program**  
(for the printed Book of Abstracts)
- August 20, 2024: **Final Poster Abstract Submission Deadline**  
(to be included in the On-site Conference Program, not the printed Book of Abstracts)
- Sept. 2, 2024: **Beginning of the Conference**

## DEADLINE FOR ONLINE ABSTRACT SUBMISSION: **May 1, 2024**

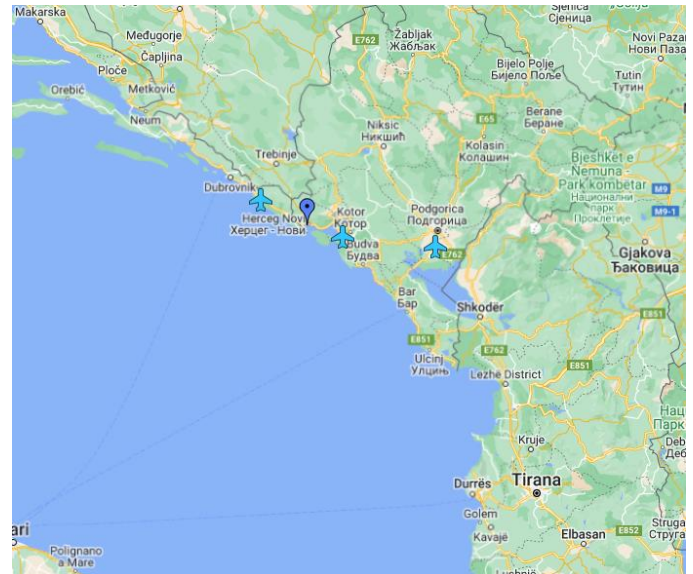
We invite you to share your research in one of symposium sessions within five topics. Click below to submit your abstract. An early discount is offered before the regular full registration fee comes into effect so early registration is advisable till May 1, 2024.

## On line Registration



## VENUE AND ACCOMMODATION

The conference will be held on September 2-6, 2024, at the **Hunguest Hotel Sun Resort Herceg Novi\*\*\*\*** Herceg Novi ([www.hercegnovi.com](http://www.hercegnovi.com)), Montenegro  
Address: Sveta Bubala bb.  
Phone/fax: +382-31-355-000; +382-67-286-172  
+382-31-355-023 [sales@hotelsunresort.com](mailto:sales@hotelsunresort.com)



**We look very much forward to welcoming you at  
YUCOMAT & WRTCS 2024 in Herceg Novi!**

Sincerely,  
**Dragan Uskoković**, President of MRS Serbia and IISS