

European Commission funded International Workshop

"Materials resistant to extreme conditions for future energy systems"

12-14 June 2017, Kyiv - Ukraine

WORKSHOP OBJECTIVE AND TARGET AUDIENCE

The Workshop is funded by the EU Enlargement & Integration Action (E&IAT) and co-organized by the Joint Research Centre of the European Commission, the National Academy of Sciences of Ukraine (NASU), and the Joint Programme on Nuclear Materials (JPNM) of the European Energy Research Alliance (EERA).

The first objective of the Workshop is to discuss the state-of-the-art knowledge and on-going research and to identify the research needs concerning structural materials for future energy systems that are exposed to extreme operational conditions. Special emphasis will be on how to use R&D for engineering applications.

The second objective is to explore future collaboration opportunities between EU member states and target countries* both in terms of specific R&D projects, as well as in terms of collaboration mechanisms.

This Workshop will bring together scientists, engineers and managers from academia and industry representing different energy technologies to promote such integration as well as representatives from the European Commission and national government organizations.

*Target countries are:

EU candidate and potential candidate countries (Albania, Turkey, Serbia, The former Yugoslav Republic of Macedonia, Montenegro, Kosovo, Bosnia-Herzegovina),

H2020 Associate countries (Switzerland, Israel, Norway, Liechtenstein, Faroe Islands, Ukraine, Iceland, Moldova, Georgia, Armenia, Tunisia)

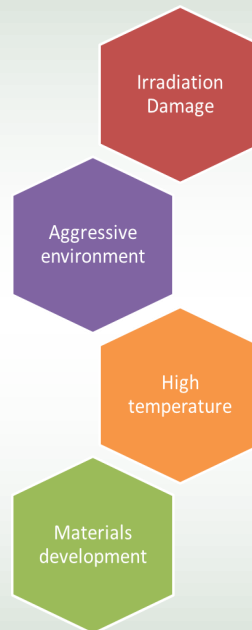
CONFIRMED KEYNOTE SPEAKERS

Dr. S. Gavrillov, SCK•CEN, Belgium
Dr. Catrin Mair, Imperial College, UK
Prof. Carlos Capdevila, CENIM, Spain
Dr. Cem Tasan, MIT, USA
Dr. M. Nastar, CEA, France
Dr. S. Kotrechko, IMP, Ukraine
Dr. M. Brumovsky, UJV, Czech Republic
Dr. O. Bakai, KIPT, Ukraine
Dr. Benoît Tanguy, CEA, France

Scientific Committee

Dr. Karl-Fredrik Nilsson, JRC - European Commission (Chair)
Prof. Andrey Ragulya, Insti. Problems in Mat. Sci., Ukraine (co-chair)
Dr. Lorenzo Malerba, SCK•CEN, Belgium
Dr. Marta Serrano, CIEMAT, Spain
Professor Jacek Jagielski, NCBJ, Poland
Dr. Tuncay Yalçinkaya, METU, Turkey
Prof. Victor Voevodin, Kharkiv Insti. Physics and Tech., Ukraine
Prof. Orest Ivasishin, G.V. Kurdyumov Inst. Met. Phys., Ukraine
Prof. Boris Bondarenko, Gas Institute of NAS of Ukraine
Dr. Jacek Gajewski, NCBJ, Poland

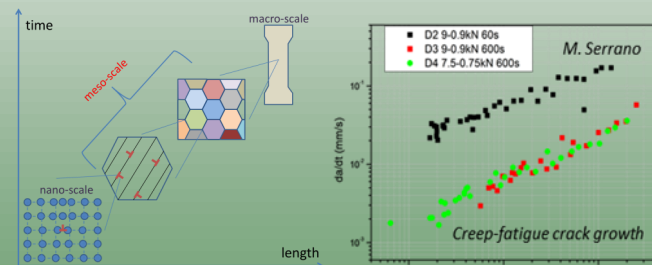
WORKSHOP FORMAT



The workshop will be a 2.5 day event based on the oral presentations from the invited international lecturers, as well as presentations by participants and a poster session.

The first session will be an overview of national and international research projects and programmes including EU networks and national initiatives in the target countries covering different future energy system where structural components and materials are exposed to harsh conditions.

There will be five topical technical sessions with keynote lectures and oral presentations addressing: high temperature degradation; irradiation damage; and environmental degradation; structural materials development for energy applications; plant life management. The Poster Session will cover all topics.



The oral presentations are expected to provide an overview of topics related to the different sessions whereas the Poster session is more dedicated to detailed and specific research results and topics.

A networking Session, with the objective to identify topics and mechanisms for collaboration between target country organizations and EU Member State organizations, will conclude the Workshop.



PARTICIPANTS AND GRANTS

A number of **grants** to cover travel and accommodation is available for participants from the **E&IA target countries** (citizen or place of work). In addition to the invited experts and the participants from the target countries, the workshop is open to the international community who are willing to attend or present their work. **A target group of the workshop is students and young scientists from both academia and industry.**

REGISTRATION FEE & FUNDING

There is no registration fee for the workshop. The refreshments at the coffee breaks, the lunches and the workshop dinner will be **free of charge** for all participants.

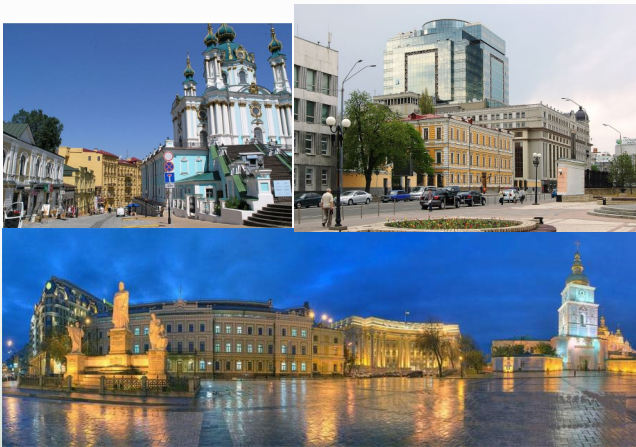
The travel costs of attendees with **grant** (economy flight + accommodation) from the target countries will be reimbursed after the workshop. European Commission reserves the right to decide on the grants on a case by case basis depending on the available budget.

WORKSHOP VENUE

The Workshop will be hosted by National Academy of Sciences of Ukraine and take place in the Great Conference Hall of NASU in Ukraine's capital Kyiv

Kyiv is more than 15 centuries old, the "cradle of Slavic civilization", yet remaining remarkably young in every facet of its life. A city of three and a half million people, Kyiv is certainly rich in unique architecture, historic locations and monuments, art masterpieces on display at its numerous museums, art galleries and exhibitions, which are all situated in the walking distance from the workshop venue.

There is another side of Kyiv – the modernity of the capital city of the nation looking forward to the future. Besides being the national administrative and political, industrial and business, research and cultural centre, Kyiv is also one of the thriving focal points of international business and cooperation and an important connection hub right in the centre of Eastern Europe that links East and West.



GETTING THERE

Kyiv is served by daily international flights from the major European cities through Boryspil International Airport and Zhuliany Kyiv International Airport. There is a bus service but the taxi transfers from Boryspil and Zhuliany airports are the easiest means of travel to Kiev and are cheap .

ABSTRACT SUBMISSION GRANT APPLICATION AND REGISTRATION

The Workshop is now open for submitting Abstracts, Grant Application and registration. The forms for this can be downloaded from the Workshop website <http://www.eera-jpnm.eu/meetings/EnIWSUkrMaterials2017>

Abstracts (in word format) not exceeding 1 page, for presentations and posters, can to be submitted to the workshop email address: **JRC-PTT-ENLARGEMENT-WORKSHOP-KYIV-2017@ec.europa.eu** .

he number of participants is limited and in case of too many registrations preference will be given to participants who submit an Abstract or participants from target countries.

The grant application should be sent to the Workshop email address. It must include the registration form (available on the webpage), a CV, a short motivation letter, and if available, an Abstract. Preference will be given to applicants who also submit an Abstract.

After the workshop a European Commission JRC Technical report with Workshop Proceedings will be published.

KEY DATES

- Abstract and grant application 15.03.2017
- Notification of abstract acceptance 15.04.2017
- Announcement of grants 15.04.2017
- Deadline for registration 01.05.2017
- **Workshop 12.06.2017- 14.06.2017**

CONTACTS AND FURTHER INFORMATION

Further information is provided in the Workshop website

<http://www.eera-jpnm.eu/meetings/EnIWSUkrMaterials2017/>

Contact persons

Karl-Fredrik Nilsson, (Karl-Fredrik.NILSSON@ec.europa.eu)

Andrey RAGULYA (ragulya@ipms.kiev.ua)

Lorenzo Malerba (Lorenzo.malerba@sckcen.be)

Jacek Gajewski (Jacek.Gajewski@ncbj.gov.pl)

ACCOMODATION

Several provisional reservations have been made for the participants of this Workshop in hotels within walking distance from the venue as well as well as in a hostel. Further information will be given on the Workshop website.

SOCIAL PROGRAMME

The 12th of June participants will be able to choose among several activities: to join walking tours in the city centre, to visit National Opera of Ukraine (<https://www.opera.com.ua/en>), or other concert venues. On the 13th of June you will be invited by the EC to join a social dinner in a traditional Ukrainian restaurant.

POST WORKSHOP PROGRAMME

Visit to Chernobyl

A visit to the Chernobyl nuclear power plant is planned on the 15th of June . Please note that this tour is not included in the programme of the Workshop and has to be covered at you own expense.



EURATOM/H2020 training

Workshop participants are invited to take part on 14.6.2017 afternoon at NASU HQ in the EURATOM/H2020 technical training. Ms Merle Lust will present practical hints and tips on EURATOM/H2020 project preparation and Jacek Gajewski will share his experience on working with KINR on EURATOM project proposal EUROFORCE.

