

Joint Research Centre

the European Commission's in-house science service

*Serving society
Stimulating innovation
Supporting legislation*

**European Commission funded
International Workshop**

**Materials Resistant to Extreme
Conditions for Future Energy
Systems**

**12-14 June 2017,
Kyiv - Ukraine**

www.ec.europa.eu/jrc

K-F Nilsson



European
Commission

Acknowledgement

Members of the Scientific Committee and Organizational Committee

Dr. Karl-Fredrik Nilsson, JRC - European Commission, Directorate-G (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 Voyevodin, Kharkiv Insti. Physics and Tech., Ukraine

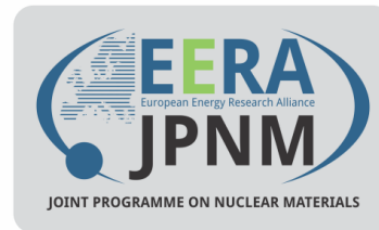
Prof. Orest Ivasishin, G.V. Kurdyumov Inst. Met. Phys., Ukraine

Prof. Boris Bondarenko, Gas Institute of NAS of Ukraine

Dr. Jacek Gajewski, NCBJ, Poland

Ms. Oksana Matselyukh, JRC - European Commission, Directorate-G

Ms. Irina Belan, Insti. Problems in Mat. Sci. ,Ukraine



Workshop Objectives

- 1. To present the state-of-the-art research and to identify the research needs concerning structural materials for future energy systems that are exposed to extreme operational conditions.**
- 2. To explore future collaboration opportunities between EU member states and target countries***
- 3. To bring together scientists, engineers and managers from academia and industry representing different energy technologies 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)

Workshop Organization

A. Oral presentations in six topical sessions

- 1. Overview of National and international Research programmes/projects;**
- 2. High temperature degradation;**
- 3. Structural Materials Development for energy applications;**
- 4. Irradiation damage;**
- 5. Long-term Operation and Degradation Mechanisms**
- 6. Environmental and Corrosion Effects**

B. Poster sessions organized in two sessions

C. A Final Networking Session

General comments

- **The programme is quite tight so time limits will be imposed by the session chairpersons**
- **Social Programme**
 - Tonight: Workshop dinner tonight
 - Tomorrow:
 - Walk in historical centrum of Kyiv
 - National Opera and Ballet Theatre of Ukraine.
Ballets: G. Bizet – R. Shchedrin, Carmen-suite & N. Rimsky-Korsakov, Sheherazade
- Post Workshop Programme
 - Wednesday afternoon: Horizon 2020 training
 - Thursday: Visit to Chernobyl