



Forum on Smart Energy Carriers for Distributed Energy Production Research and Innovation Technology Perspectives



In order to share expertise, enrich and strengthen connections between leading academic and research institutions, **University of Belgrade Faculty of Mechanical Engineering** together with **SMARTCATs Cost Action** is organizing **two Day Forum for selected MSc, PhD, postdoc students and early carrier investigators**.

During the two day forum, scientists will share their area of expertise with MSc, PhD students and early carrier investigators, and discuss with them in round tables organized on specific topics related to energy carriers in the frame of the global energy scenarios, technologies, research and opportunities.

Early career investigators and PhD students are invited to participate.
They are invited to prepare articles and present them as posters during two days of the Forum. Best papers works will be selected for publishing in a Special Issue of **Thermal Science**, with IF=1.093.

All informations about poster preparation and Forum contact
Marta Trninić via email mtrninic@mas.bg.ac.rs.
link of the event <http://www.smartcats.eu/>



Name	Affiliation	Lecture
Dr Gábor Várhegyi	Independent scientist and consultant. External advisor at the MTA TTK, Hungarian Academy of Science, Hungary	Non-isothermal kinetics for biomass materials and other complex organic samples
Dr Mara de Joannon	IRC-CNR, Italia	Energy carrier and advanced combustion technologies
Dr George Skevis	CPERI/CERTH, Greece	Reversible combustion: Turning CO ₂ into smart fuels
Dr Pino Sabia	IRC-CNR, Italia	Oxidation processes of simple hydrocarbons at intermediate temperatures: through Thermo-Chemical Oscillations and NTC behaviours
Dr Calliope Panoutsou	Faculty of Natural Sciences, Centre for Environmental Policy, UK	Research & technological development in the field of biofuels in Europe
Prof Dr Liliana Medic Pejic	The Polytechnic University of Madrid, The School of Mining Engineering, Department for Energy and Combustion, Spain	Flammability and susceptibility to spontaneous biomass combustion
Dr Alessandro Parente	Université Libre de Bruxelles, Belgium	A return on experience on the ERC starting grant submission process
Prof Dr Mirjana Kijevčanin	University of Belgrade Faculty of Technology and Metallurgy, Serbia	Biodiesel from biodegradable waste - production and thermodynamic characterization
Prof Dr Dragoslava Stojiljkovic	University of Belgrade Faculty of Mechanical Engineering, Serbia	Biomass characterisation using different experimental methods
Dr Nebojša Manić, Associate Professor	University of Belgrade Faculty of Mechanical Engineering, Serbia	STA as an ultimate tool for providing input data for kinetic and CFD modelling
Dr Dušan Todorović, Assistant Professor	University of Belgrade Faculty of Mechanical Engineering, Serbia	Experimental research at multi-fuel reactor
Dr Marta Trninić	University of Belgrade Faculty of Mechanical Engineering, Serbia	Pyrolysis and Hydrothermal Liquefaction (Hydrothermal Carbonisation)



Smartcats Cost Action

Chair of the Action:

Dr Mara de Joannon
IRC-CNR, Italy

Vice-chair of the Action:

Dr George
CPERI/CERTH, Greece

Chair of WG5:

Alessandro Parente, Université Libre de Bruxelles Belgium
Vice Chair of WG5:
Pino Sabia, IRC-CNR Italy

Local Organinizing Committee

Prof Dr Dragoslava Stojiljković

Vice Dean for Research & Development
University of Belgrade Faculty of Mechanical Engineering

Prof Dr Aleksandar Jovović

President of the Faculty Council
University of Belgrade Faculty of Mechanical Engineering

Prof Dr Nenad Zrnić

Vice Dean for International Cooperation
University of Belgrade Faculty of Mechanical Engineering

Dr Marta Trninić

Research Associate
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