

#### ORGANIZERS

University of Zagreb, Zagreb, Croatia  
Instituto Superior Técnico, Lisbon, Portugal

#### IN COOPERATION WITH

Aalborg University Aalborg, Denmark  
TH Köln, Cologne, Germany  
Delft University of Technology, Delft, The Netherlands  
University of Dubrovnik, Dubrovnik, Croatia  
Hamburg University of Applied Sciences, Hamburg, Germany  
INP, Grenoble, France  
Jozef Stefan International Postgraduate School, Ljubljana, Slovenia  
Macedonian Academy of Sciences and Arts, MASA-RCESD, Skopje, Macedonia  
American University of Ras Al Khaimah, Ras Al-Khaimah, United Arab Emirates  
Industrial University of Santander, Bucaramanga, Colombia  
University of Sarajevo, Sarajevo, Bosnia and Herzegovina  
The Scientific and Technological Research Council of Turkey (TÜBİTAK), Ankara, Turkey  
"Vinča" Institute of Nuclear Sciences, Belgrade, Serbia  
Warsaw University of Technology, Warsaw, Poland

#### EXECUTIVE ORGANIZERS

International Centre for Sustainable Development of Energy, Water and Environment Systems, Zagreb, Croatia

#### PARTNERS

The Combustion Institute - Adria Section, Zagreb, Croatia  
Croatian and Slovenian Association, European Research Centre, Zagreb, Ljubljana, Konstanz  
European Alliance for Innovation  
Mediterranean Network for Engineering Schools and Technical Universities - RMEI, Marseille, France  
The World Academy of Art and Science

#### INTERNATIONAL SCIENTIFIC COMMITTEE

Prof. Maria da Graça Carvalho, IST, Lisbon, Portugal, Chair  
Prof. Neven Duić, University of Zagreb, Zagreb, Croatia, Co-Chair  
Prof. Vyacheslav Katarov, Industrial University of Santander, Bucaramanga, Colombia, Co-Chair for the Americas  
Prof. Jiří Jaromír Klameš, Brno University of Technology, Brno, Czech Republic, Co-Chair for the Central and Eastern Europe  
Prof. Henrik Lund, Aalborg University, Aalborg, Denmark, Co-Chair for Northern Europe  
Prof. Ingo Stadler, TH Köln, Cologne, Germany, Co-Chair for Western Europe  
Prof. Poul Alberg Østergaard, Aalborg University, Aalborg, Denmark  
Prof. Mário Costa, IST, Lisbon, Portugal  
Dr. Aulie Foley, Queen's University Belfast, Belfast, UK  
Prof. Zvonimir Guzović, University of Zagreb, Zagreb, Croatia  
Dr. Şir Kilitçi, The Scientific and Technological Research Council of Turkey (TÜBİTAK), Ankara, Turkey  
Prof. Tarik Kupusović, University of Sarajevo, Sarajevo, Bosnia and Herzegovina  
Prof. Nataša Markovska, Macedonian Academy of Sciences and Arts, Skopje, Macedonia  
Prof. Brian Vad Mathiesen, Aalborg University, Aalborg, Denmark  
Prof. Mousa Mohsen, American University of Ras Al Khaimah, Ras Al Khaimah, United Arab Emirates  
Prof. Simeon Oka, Institute Vinca, Novi Beograd, Belgrade, Serbia  
Prof. Antonio Piacentino, University of Palermo, Palermo, Italy  
Prof. Sauro Piarucci, Politecnico di Milano, Milano, Italy  
Prof. Nikola Ruzinski, University of Zagreb, Zagreb, Croatia  
Prof. Daniel Ralph Schneider, University of Zagreb, Zagreb, Croatia  
Protection Agency, Cincinnati, United States  
Prof. Ivo Šlaus, Rudjer Bosković Institute, Zagreb, Croatia  
Prof. Krzysztof Urbaniec, Warsaw University of Technology, Plock, Poland  
Dr. Petar Varbanov, Brno University of Technology, Brno, Czech Republic  
Prof. Jinyue Yan, Royal Institute of Technology, Stockholm, Sweden  
Prof. Xiliang Zhang, Tsinghua University, Beijing, China  
Prof. Aleksander Zidanšek, Jozef Stefan International Postgraduate School, Ljubljana, Slovenia

#### HONORARY MEMBERS

Prof. Naim H. Afgan, IST, Lisbon, Portugal  
Prof. Kemal Hanjalic, Delft University of Technology, Delft, Netherlands  
Prof. Walter Leal Filho, Hamburg University of Applied Sciences, Hamburg, Germany  
Prof. Vladimir Lipovac, University of Dubrovnik, Dubrovnik, Croatia, honorary member  
Prof. Jordan Pop-Jordanov, Macedonian Academy of Sciences and Arts, Skopje, Macedonia  
Dr. Subhas K. Sikdar, United States Environmental

#### LOCAL ORGANIZING COMMITTEE

Prof. Neven Duić, University of Zagreb, Chair  
Prof. Zvonimir Guzović, University of Zagreb  
Prof. Daniel R. Schneider, University of Zagreb  
Prof. Nataša Markovska, SDEWES Skopje  
Dr. Goran Krajačić, University of Zagreb  
Dr. Marko Ban, SDEWES Centre  
Nevena Grubelić, SDEWES Centre  
Dr. Tomislav Pukšec, University of Zagreb  
Iva Gavran, SDEWES Centre  
Martina Barbarić, University of Zagreb  
Tibor Bešenić, University of Zagreb  
Viktorija Dobrevec, University of Zagreb  
Borna Doračić, University of Zagreb  
Hrvoja Doračić, University of Zagreb  
Romano Grbić, University of Zagreb  
Filip Jurić, University of Zagreb  
Dr. Meri Karanfilovska, ICS  
Krasimir Labura, University of Zagreb  
Ana Lovrak, University of Zagreb  
Tena Maruševac, University of Zagreb  
Dr. Hrvoja Mikulčić, University of Zagreb  
Tomislav Novosel, University of Zagreb  
Matija Pavičević, University of Zagreb  
Tihomir Tomić, University of Zagreb



The Organizing Committee of  
**The 12<sup>nd</sup> SDEWES Conference**  
FMENA, University of Zagreb  
Ivana Lučića 5  
HR-10000 Zagreb, CROATIA

#### Issued to

Gorm Bruun ANDRESEN  
Aarhus University  
Aarhus N, Denmark

## SESSION CHAIR CERTIFICATE

With this certificate we acknowledge that Gorm Bruun ANDRESEN  
chaired the following session

Smart energy systems 2

at the 12<sup>nd</sup> Conference on Sustainable Development of  
Energy, Water and Environment  
Systems - SDEWES  
held from October 4 - 8, 2017 in Dubrovnik, Croatia.

Prof Zvonimir Guzović  
Secretary of the Conference