

## 2021 News from CEACM

URL: <http://www.gf.unsa.ba/web/>

The CEACM counts the following Central European countries (in alphabetical order): Austria, Bosnia and Herzegovina, Croatia, Czech Republic, Hungary, Slovakia and Slovenia. In 2021, CEACM has elected a new Executive Committee that consists of the President, Adnan Ibrahimbegovic, the Vice-President, Janos Logo and the Past-President, Bernhard Pichler.

The scientific activities of CEACM in 2021 concern short courses and a scientific conference ECCOMAS MSF 2021, jointly organized by University of Split, University of Sarajevo and UT Compiègne.

The short course, entitled “Current Research on Solids & Fluids: Computations, FE Code Coupling, Model Reduction, Probability...” (URL: <http://gf.unsa.ba/eccomas-msf-2021/index.php/preconference-course/>), was held just before the conference, June 27-29, 2021. The course participants were doctoral students from CEACM and other European countries. The course lecturers: A. Ibrahimbegovic (UTC), H.G. Matthies (TUBs), N. Limnios (UTC), A. Ouahsine (UTC), J.L. Perez-Aparicio (UPV) and F. DeVuyst (UTC) provided an extensive review of numerical models for computational solid and fluid mechanics, modern developments in model reduction, probability aspects and uncertainty quantification, coupling with thermal, electric and magnetic fields and their interactions.

In 2021, CEACM sponsored a scientific conference ECCOMAS MSF 2021 –Multiscale Computational Methods for Solids and Fluids, which was held in Split, June 30- July 2, 2021. This was the 5th conference in series organized by Adnan Ibrahimbegovic, this time in collaboration with Mijo Nikolic, professor at University of Split. The meeting attracted close to hundred scientific presentations, with total of 208 contributing authors. The conference was held in hybrid format with 30% of participants present onsite and the remaining online. The conference provided a platform for exchange among leading specialists in analysis and design of complex engineering structures and systems, coming from aerospace, civil and mechanical engineering, material science, and in the design and analysis of numerical algorithms from applied mathematics. The main goal was elaborating the multi-field and multi-physics approach, which has significantly modified previously firm frontiers among these traditional engineering disciplines. A series of introductory distinguished lectures on the first day of this conference were scheduled with: H. Matthies and D. Dinkler from Germany, P. Ladeveze, R. Ohayon and A. Ibrahimbegovic from France, J.L. Perez-Aparicio from Spain, P. Pimenta and A. Couthino from Brazil, C. Hellmich from Austria and P. Travalusci from Italy. Ten different Mini-Symposia were organized covering various topics on: Resilience, Fracture, Experimental Aspects, Environment, Internal Flows, Multi-phase flows, Steel Structures, Isogeometric and Discrete elements. The ECCOMAS MSF 2021 Proceedings are available for download at (URL: [http://gf.unsa.ba/eccomas-msf-2021/Eccomas\\_MSF\\_2021.pdf](http://gf.unsa.ba/eccomas-msf-2021/Eccomas_MSF_2021.pdf)). ●



**Figure 1:**  
ECCOMAS MSF  
2021 Conference  
onsite participants



**Figure 2:**  
ECCOMAS MSF  
2021 Conference  
final meeting of  
organizing committee