

**Joint event: Cluster of Excellence Matters of Activity (MoA), Humboldt-Universität zu Berlin and Center of Excellence - STIM, University of Split**

**Split, 10.-11.7.2023.**

**Monday, 10.7. (MedILS)**

**9:00** *Opening of the Joint Event: rector of University of Split, prof. Dragan Ljutić*

**Joint event I:**

**Chairman: Miroslav Radman (MedILS, STIM)**

- 9:10-9:45 Wolfgang Schäffner (MoA, HUB)  
*„Wetware - Towards a Geometry of Water“*
- 9:45-10:20 Vlasta Bonačić-Koutecký (STIM, UNIST, HUB)  
*„Overview of STIM-REI activities“*  
*„Ligated metallic quantum clusters for bioimaging“*
- 10:20-10:50 Jürgen P. Rabe (MoA, HUB)  
*"Ubiquitous Water in Nano- and Bio-Systems: Matters of Free Energy and Constraints"*
- 10:50-11:10 *Coffee break*
- 11:10-11:40 Vida Šimat (STIM, UNIST)  
*„Biotechnological potential of marine algae“*
- 11:40-12:10 Rasa Weber (ZHdK, MoA)  
*„Sympoietic Design in the Ocean“*
- 12:10-12:40 Jadranka Šepić (PMF, STIM)  
*„Sea level extremes along the European coasts - contribution of sub-hourly processes“*
- 12:40-13:10 Katarina Trajković (MedILS, STIM)  
*„Application of novel nanostructured biosensing materials in aging studies“*
- 13:10-14:10 *Lunch*

## Joint event II:

### Chairman: Frano Barbir (FESB, STIM)

- 14:10-14:40 José D. Cojal González (MoA, HUB)  
*„Vibrations and topology in molecular systems“*
- 14:40-15:10 Ivan Pivac (FESB, STIM)  
*„Recent progress and activities in monitoring and diagnostics of electrochemical energy conversion devices based on hydrogen“*
- 15:10-15:40 Željko Penga (FESB, STIM)  
*„Synergizing Computational and Experimental Research for Next Generation of Fuel Cells“*
- 15:40-16:00 *Coffee break*
- 16:00-16:30 Ante Bilušić (PMF, STIM) Intro  
Krešimir Dželalija (STIM, UNIST)  
*„Microsystem Engineering: Design, Manufacturing, and Integration of Micro 2D Fuel Cells“*
- 16:30-17:00 Zoran Đogaš (MEDST, UNIST)  
*„Possible applications in medical diagnostic and therapeutical devices of novel nanostructured biosensing materials and next generation of fuel cells“*
- 17:00-17:30 Damir Kovačić (PMF, STIM)  
*„Towards the next generation of medical bionics using graphene-based materials“*
- 17:45-18:15 *Concert: String Quartet „Bozzotti“*

## Tuesday, 11.7.

8:30-9:30 MoA visit to the Diocletian's palace guided by prof. Snježana Perojević

### Joint event III (PMFST, room: A01):

**Chairman: Roko Andričević (FGAG, STIM)**

- 10:30-11:00 Horst Bredekamp (MoA, HUB)  
*„Robert Adam, Piranesi and the sublimity of civil engineering“*
- 11:00-11:30 Ivana Katurić (Urbanex)  
*“Adaptive re-use in historic urban landscape“*
- 11:30-12:00 Snježana Perojević (FGAG, UNIST)  
*„Diocletian Palace’s Water System – Engineering and Art(istry)“*

### Joint event IV (PMFST, room: A01):

**Chairman: Mile Dželalija (PMFST, STIM)**

12:00-13:30 Poster session, cooperation discussion and refreshments