# MY FIRST CONFERENCE 2018
PROGRAMME

September 27, 2018, 8:30 – 17:30

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| **8:30 - 9:00** | **REGISTRATION** | **ROOM 411** | | |
| **09:00** | **CONFERENCE OPENING** | **ROOM 411** | | |
| **09:00 - 9:45** | **PLENARY SESSION**<br>Invited speaker D. Ogrizović<br>*HPC and Cloud Computing* | | | |
| **9:45 - 10:15** | **COFFEE BREAK** | | | |
| **10:15 - 12:00** | **SESSION A**<br>Chair: | **ROOM 411** | **SESSION B**<br>Chair: | **ROOM 412** |
| | G. Vizentin, G. Vukelić<br>*Analysis of a Hydraulic Torque Wrench Adapter Failure* | | A. Grgurić, I. Sušanj Čule, N. Ožanić<br>*Warka water – a new concept for collecting of a drinkable water* | |
| | S. Grbčić, G. Jelenić, A. Ibrahimbegović<br>*Finite element analysis of micropolar boundary value problems* | | A. Tadić, I. Sušanj Čule, N. Ožanić<br>*Water level oscillation model in accumulation* | |
| | P. Brezac, A. Zamarin<br>*Ice contact Simulation on Marine Structures* | | L. Zaharija, V. Travaš<br>*CBS Finite Element Model for 2D Shallow Water Equations* | |
| | A. Sikirica, S. Ivić, M. Čanađija<br>*Analysis of the Grid Structures Isotropy* | | M. Kirinčić, K. Lenić<br>*Numerical analysis of heat and mass transfer in an indirect evaporative heat exchanger* | |
| | I. Lučin, Z. Čarija, B. Lučin<br>*Numerical analysis of trashrack bar cross section influence on head losses* | | F. Torbarina, A. Trp<br>*Numerical Modelling of the Air-Side Flow and Heat Transfer Characteristics of Slotted Fin and Tube Heat Exchanger* | |
| | D. Pastorčić, G. Vukelić<br>*Fatigue Analysis of a Coil Spring Under Stochastically Modelled Dynamic Loading* | | D. Glujić<br>*Methanol and Ethanol as ship fuel* | |
| | D. Stipanić, D. Holjević, V. Travaš<br>*Kriging and 3D geological modelling based on boreholes data* | | L. Kocijel<br>*Analysis of influence of geometrical and working parameters on temperature stratification in heat storage tanks* | |
| **12:00 - 13:30** | **LUNCH** | | | |
| **13:30 - 14:15** | **PLENARY SESSION**<br>Invited speaker S. Valčić<br>*The OFDM modulation and the VHF maritime mobile band* | **ROOM 411** | | |

| **14:15 - 15:15** | **SESSION C** | **ROOM 411** | **SESSION D** | **ROOM 412** |
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| | Chair: | | Chair: | |
| | M. Jović, D. Čišić, E. Tijan | | F. Hržić, I. Štajduhar | |
| | *EDIFACT as a basis for data exchange in maritime transport* | | *Automatic Radius Bones Fracture Detection using Machine Learning* | |
| | D. Šakan, I. Rudan, S. Žuškin, D. Brčić | | Z. Šverko | |
| | *AIS data usage for vessel movement analysis* | | *EEG data processing in neurofeedback* | |
| | I. Polić | | I. Markovinović | |
| | *Leadership styles determines proactivity of employees – instance on board* | | *Removal of eye blink artifacts from EEG signal* | |
| | T. Krljan, M. Jardas | | T. Manojlović | |
| | *Transport Problems of Goods Flow – Construction and Integration of Distribution Center in the City of Rijeka* | | *In-memory Distributed service for searching metadata of radiology images* | |

**15:15 - 15:45    COFFEE BREAK**

| **15:45 - 17:15** | **SESSION E** | **ROOM 411** | **SESSION F** | **ROOM 412** |
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| | Chair: | | Chair: | |
| | T. Arrigoni, S. Zelenika, E. Kamenar | | N. Lopac, N. Bulić | |
| | *Design of a 3D printed rehabilitation device and testing of its material proporties* | | *Time-frequency representations of induction machine stator current* | |
| | S. Piličić, K. Marković | | I. Jurković, N. Bulić | |
| | *Inverse Modelling for Material Parameters Identification of Soft Tissues* | | *Selective Harmonic Elimination in Closed Loop – Implementation on Medium-Voltage 3-level NPC Active Front End Converter* | |
| | M. Gljuščić, M. Franulović, D. Lanc | | I. Sterpin, D. Franković | |
| | *Advanced combined inverse techniques for the identification of material parameters* | | *High Impedance Fault* | |
| | V. Uran | | N. Turk, N. Bulić | |
| | *Scalability design impact in multi-product RMS* | | *Nonlinear Control of a Bearingless Flux Switching Slice Motor with Combined Winding System* | |
| | M. Tuhtan, G. Jelenić | | B. Schiara | |
| | *Bouncing Balls in a Box* | | *Time-frequency representations of induction machine stator current* | |
| | P. Gljuščić, S. Zelenika | | D. Cikač, N. Bulić | |
| | *Experimental characterisation of thermoelectric generators for wearable technology applications* | | *Flying Start Routine for Induction Motor in Scalar Control Mode* | |

**17:15    CONFERENCE CLOSING    ROOM 411**