CONFERENCE PROGRAMME

8:30 – 9:00	**REGISTRATION**	FACULTY HALL
9:00 – 9:15	**CONFERENCE OPENING**	ROOM 003

9:15 – 10:00 **KEYNOTE SPEAKER**   ROOM 003
ass.proff. doc.dr.sc. Leo Škec
Theoretical, numerical and experimental investigation of fracture resistance in adhesive joints

10:00 – 10:30	**COFFEE BREAK**	FACULTY HALL

10:30 – 12:00

SECTION 1A   ROOM 003
CHAIRMEN: Marin Grbac & Goran Vižentin

Batista, Trp, Lenić
Numerical investigation of heat transfer and fluid flow in plain fin-and-tube heat exchanger

Bolf, Zamarin
Calculation of the longitudinal strength of the ship using the programming language Python 3.7

Zlatić, Bunčić, Budimir, Čanađija
Thermoelastic and ultrasonic finite element analysis of an ultrasonic sensor

Zaharija, Travaš, Kranjčević
A Parallel Implementation of CBS Finite Element Model for 2D Shallow Water Equations

Stipanić, Travaš, Holjević
Numerical Modelling of Transport in Inhomogeneous and Anisotropic Porous Media

SECTION 1B   ROOM 004
CHAIRMEN: Ivan Panić & Zoran Šverko

Kirinčić, Trp, Lenić
Optimization of a small size shell and tube heat exchanger using response surface methodology

Selimović, Lerga, Prpić-Oršić
Dynamic Ship Positioning Using the Time-Frequency Distributions and Kalman Filtering

Gljušćić, Franulović, Lanc
Multi-parameter optimization tool for the identification of mechanical properties in additively manufactured composites

Jakoplić, Franković
Short-term photovoltaic power forecasting and optimisation using cloud tracking methods

Franković
Hysteretic damping model in timber beams

12:00 – 13:30	**LUNCH**	STUDENT RESTAURANT (SCRI)

13:30 – 15:00

SECTION 2A   ROOM 003
CHAIRMEN: Tomislav Franković & Davor Bolf

Krljan, Vilke
Application of the microsimulation traffic model in assessing congestion of the container terminal "Brajdica" access road network

Puž
Climate adaptive architecture

Drobac, Štimac Grandić
Comparison of valid European standards for vertical vibration control on footbridges

Torbarina, Lenić, Wolf
High Efficiency Domestic Hot Water System Powered by Solar Energy

Špoljar, Lenac
On methodology for GNSS positioning performance assessment founded on experimental observations

SECTION 2B   ROOM 004
CHAIRMEN: Matej Gljušćić & Ivan Hlača

Šverko, Jurdana
Different Analysis Procedures In EEG Data Signal Processing

Grbac, Ribarić
Shear locking phenomenon in plate finite elements

Lorencin, Anđelić, Španjol, Car
Using Convolutional Neural Network in Urinary Bladder Cancer Diagnostics

Vižentin, Pastorčić, Vukelić
Spalling wear analysis of a stainless steel gear

Pranjić, Deluka-Tibljaš
Usage of photogrammetry technique for pavement surface macrotexture determination

15:00 – 15:30	**COFFEE BREAK**	FACULTY HALL

15:30 – 16: 30

SECTION 3A   ROOM 003
CHAIRMEN: Jug Drobac & Tomislav Franković

Hlača
Digital image correlation in experimental mechanics

Pinčić, Lenac
Automatic dataset extraction from video files

Antonić
Reactive Power Compensation with PV Inverters for Loss Reduction in Distribution Network

Bernaca, Lenac
Automated deployment of blockchain nodes for use in mobile robotics

SECTION 3B   ROOM 004
CHAIRMEN: Ivana Pranjić & Marin Grbac

Zelić Čarija
Guidelines for the general model training standard for operators maneuvering non-conventional vessels MTSOMN

Panić
Zero-emission vessel as a part of North Adriatic marine transport

Agatić
Analysis of the potential impact of the ''One Belt One Road'' initiative on seaports business

16:30 – 17:00	**LABORATORY TOUR AND CONFERENCE CLOSURE**	FACULTY LABORATORIES/ROOM 003

The papers presented at the 3rd edition of MY FIRST CONFERENCE, Faculty of Civil Engineering Rijeka, September 12 2019 are available at web page https://mfc.uniri.hr/ and USB card attached to materials as Book of Abstracts.