

# ECCOMAS MSF 2023 - CONFERENCE PROGRAM (preliminary)

[conference venue: GFS = Civil Eng. Faculty Bld., address: ulica Patriotske lige 30, Sarajevo]

(name of the presenting author in **bold letters**)

**Sunday, June 25, 2023** (DL=30 min distinguished lecture, O\*=5+ min opening remarks)

9:00 -- 9:55 Registration

Amphi

**MS1 'Challenges and Recent Developments in Computational Mechanics – honoring contributions of researchers celebrating round anniversaries ...** (A. Ibrahimbegovic, J.L. Batoz, B. Brank, S. Dolarević and I. Kožar,)

9:55 -- 11:00 Session S1 [Chair: A. Ibrahimbegovic, S. Dolarević]

Amphi

O\*: Opening of the 6<sup>th</sup> Int. Conference on Multiscale Computations for Solids and Fluids

DL: **A. Ibrahimbegovic**, R-A. Mejia-Nava, S. Suljevic, S. Ljukovac, G. Grozdanic

COMPUTATIONAL STRUCTURAL MECHANICS: NATURAL INTELLIGENCE VS. ARTIFICIAL INTELLIGENCE

DL: **H.G. Matthies**, S.S. Kumar and B. Rosic

RANDOM TENSOR FIELDS ADAPTED TO ELASTICITY CLASSES

11:00 --11:30 Coffee-Break

LUNCH AREA

11:30 --13:00 Session S2 [Chair: B. Brank, A. Ibrahimbegovic]

Amphi

DL: **D. Damjanovic**

COMPLEX FUNCTIONAL MATERIALS AND OPPORTUNITIES FOR MULTI-SCALE AND MULTI-COUPLING COMPUTATIONS

DL: **N. Stergiopoulos**, V. Bikia, C. McEniery, E.M. Roussel, G. Rovas, S. Pagoulatou and I. Wilkinson

INVERSE PROBLEM-SOLVING METHOD FOR STROKE VOLUME ESTIMATION

DL: **P. Pimenta**

RECENT ADVANCES ON THE DEVELOPMENT OF SIMPLE SHELL ELEMENTS FOR THIN AND VERY THIN SHELLS

13:00 --14:00 Lunch-Break

LUNCH AREA

14:00 --15:30 Session S3 [Chair: J.L. Batoz, A. Ibrahimbegovic]

Amphi

DL: **P. Ladevèze**, R. Sanff and D. Neron

A GENERAL NON-INVASIVE PGD REDUCTION METHOD IN NONLINEAR COMPUTATIONAL SOLID MECHANICS

DL: **H.A. Mang**, J. Kalliauer, M. Aminbaghai and A. Wagner

CONDITIONS FOR EXTREME VALUES OF THE STIFFNESS OF PROPORTIONALLY LOADED STRUCTURES

DL: **R. Ohayon**

STRUCTURE-STRUCTURE AND INTERNAL LIQUID-STRUCTURE INTERACTION. PROJECTION BASED REDUCED MODELS

15:30 --16:00 Coffee-Break

LUNCH AREA

16:00 --17:30 Session S4 [Chair : I. Kožar, A. Ibrahimbegovic]

Amphi

**DL: P. Trovalusci**

DISCRETE TO SCALE-DEPENDENT CONTINUOUS FORMULATIONS FOR THE CONSTITUTIVE MODELLING OF MATERIALS WITH MICROSTRUCTURE.

**DL: C. Hellmich, S. Scheiner, J. Kalliauer and N. Ukaj**

COMPLEX BIOMECHANICS: FROM ATOMS TO PATIENTS

**DL: L. Chamoin**

IN SITU STRUCTURAL DAMAGE TRACKING AND MONITORING FROM ADVANCED SENSING TECHNIQUES AND HYBRID TWINS

17:30 --18:30 WELCOME RECEPTION FOR ECCOMAS MSF 2023

19:30 --22:00 APPRECIATION DINNER (Distinguished Lecturers + MS Organizers – BY INVITATIONS ONLY)

**Monday, June 26, 2026** (KL=30 min keynote, L=20 min lecture)

8:30 -- 9:00 Registration

Amphi

(name of the presenting author in **bold letters**)

9:00 --10:30 Session M1 [**MS11. 'Stochastic identification'** / Chair: N. Friedman, A. Kucerova, E. Karavelić] Amphi

KL: **A. Kucerova**, J. Sykora, P. Havlasek, D. Jaruskova and M. Jirasek

BAYESIAN INFERENCE OF CONCRETE DAMAGE-PLASTIC PARAMETERS OF FROM  
CONFINED COMPRESSION TEST

L: **E. Karavelić** and A. Ibrahimbegovic

STOCHASTIC IDENTIFICATION OF CONCRETE FRACTURE PARAMETERS

L: **T. Franković**, N. Friedman, U. Bohinc and B. Brank

EXAMPLES OF DETERMINISTIC AND STOCHASTIC MODEL UPDATING FOR STEEL  
STRUCTURES

L: **G. Bartolini**, A. De Falco and F. Landi

STOCHASTIC IDENTIFICATION OF MASONRY PARAMETERS IN 2D FINITE ELEMENTS  
CONTINUUM MODELS

9:00 --10:30 Session M1A [**MS2. Modeling of fracture and failure of materials and structures** /  
Chair: M. Nikolić, E. Marenic ]. ROOM A

KL: **M. Nikolic**

CRACK PROPAGATION IN UNSATURATED WATER FLUID CONDITIONS AND CORRESPONDING  
PARAMETER STUDY

L: **E. Marenic** and J.-Ch. Passieux

DATA DRIVEN MULTISCALE MODELING OF ARCHITECTED MATERIALS

L: **J. Čarija**, M. Nikolić, E. Marenic and T. Jarak

DISCRETE LATTICE MODEL FOR REPRESENTING ELASTIC CONTINUUM

L: **M. Sodan**, M. Nikolić and A. Stanic

REPRESENTATION OF MICRO STRUCTURAL FAILURE USING QM6 ELEMENT

9:00 -- 10:30 Session M1B [**MS9. Instability of Structures** / Chair: E. Hajdo, I. Imamović] ROOM B

KL: **E. Hajdo**, E. Hadzalić and A. Ibrahimbegovic

STABILITY ANALYSIS OF COMPLEX STRUCTURES ON THE ELASTIC SUPPORTS

L: **R.-A. Mejia-Nava**, B.-I. Garcia-Maya, A. Ibrahimbegović and N. Limnios

STOCHASTIC INSTABILITY ANALYSIS OF A GEOMETRICALLY EXACT 3D BEAM SUBJECTED  
TO NON-CONSERVATIVE LOADS

L: **S. Ljukovac**, A. Ibrahimbegovic, I. Imamović and R.-A. Nava-Mejia

PASSIVE CONTROL OF WIND TURBINE BLADES BY PLASTIC DISSIPATING HINGES

L: **T. van der Velden**, H. Holthusen, T. Brepols and S. Reese

MODELING OF ANISOTROPIC, GRADIENT-EXTENDED DAMAGE AT FINITE STRAINS

10:30 --11:00 Coffee-Break

LUNCH AREA

11:00 --12:30 Session M2 [**MS11. 'Stochastic identification'** / Chair: N. Friedman, A. Kucerova, E. Karavelić] Amphi

KL: **N. Friedman**, B. Kurent, A. Urbanics, R. Aleksziew and B. Brank

ONLINE CALIBRATION OF THE DYNAMICS MODEL OF A TALL TIMBER BUILDING BY MIXTURE DENSITY DEEP NEURAL NETWORK

L: **J. Dujc**, B. Brank and M. Jemec Auflič

AN AUTOMATED PROCEDURE TO DETERMINE THE ROCK'S THERMAL DIFFUSIVITY BASED ON THE FINITE ELEMENT METHOD AND THE IN-SITU TEMPERATURE MEASUREMENTS

L: **A. Boguslawski**, A. Tyliczszak and B. Geurts

NEW NUMERICAL SCHEMES DERIVED BY APPROXIMATE DECONVOLUTION OF THE INDUCED FILTERS

L: **M. Itskov** and R. Abdusalamov

CONSTITUTIVE MODELING BY SYMBOLIC REGRESSION

11:00 --12:30 Session M2A [**MS4. Experimental Mechanics** / Chair: L. Krstulović – Opara. Z. Tomičević]. ROOM A

KL: **Z. Tomičević**, A. Bartulović, B. Smaniotto and F. Hild

INFLUENCE OF TESTING ENVIRONMENT ON DIGITAL VOLUME CORRELATION UNCERTAINTIES

L: **A. Grebo**, P. Bagavac and L. Krstulović-Opara

THE RAPID PROTOTYPING MATERIAL RATE DEPENDENCY - FDM AND STL TECHNIQUES

L: **A. Zaplatić**, Z. Tomičević, X. Chang, S. Roux and F. Hild

ANALYSIS OF TENSILE TEST ON MODIFIED ARCAN FIXTURE USING FE BASED STEREOCORRELATION AND INFRARED THERMOGRAPHY

L: **A. Vrgoč**, Z. Tomičević, V. Kosin, R. Vargas, C. Jailin and F. Hild

IN-SITU CYCLIC TENSION OF POLYESTER RESIN REINFORCED WITH GLASS FIBERS: DAMAGE IDENTIFICATION FROM RADIOGRAPHS

11:00 -- 12:30 Session M2B [**MS9. Instability of Structures** / Chair: D. Brancherie, R.A. Mejia-Nava] ROOM B

KL: **Boštjan Brank**, Tomo Veldin and Miha Brojan

COMPUTATIONAL MODELS FOR MODELLING WRINKLING INSTABILITY OF ELASTIC SHELLS ON SOFT SUBSTRATES

L: **S. Grbčić Erdelj**, G. Jelenić and A. Ibrahimbegović

PURE BENDING PROBLEM IN NON-LINEAR MICROPOLAR ELASTICITY

L: **D. Šeruga**, J. Klemenc, S. Oman and **M. Nagode**

STRESS-STRAIN SIMULATION OF A POROUS METALLIC MATERIAL USING FEM-IMPLEMENTED PRANDTL OPERATOR APPROACH

L: **D. Phong Bach**, L. Cauvin, **D. Brancherie** and D. Kondo.

MODELING THE SIZE EFFECT IN THE MECHANICAL BEHAVIOR OF NANOCOMPOSITES

12:30 --13:30 Lunch-Break

LUNCH AREA

13:30 --15:00 Session M3 [**MS17. Numerical simulations for the security related applications** / Chair: D. Markovic, J. Dujc]. Amphi

KL: **D. Markovic**, M. Larcher, A. Scattina, M. Sebik and S. Saraceno

CRASH SIMULATIONS USING A GENERIC VEHICLE MODEL

L: **Ch. Bedon**, Damijan Markovic, Vasilis Karlos and Martin Larcher

NUMERICAL INVESTIGATION OF GLASS WINDOWS UNDER NEAR-FIELD BLAST

L: **S. Suljevic**, E. Hadzalic, A. Ibrahimbegovic and S. Dolarevic

HYBRID STRESS-HEAT FLUX FORMULATION OF FULLY COUPLED THERMODYNAMICS

L: **J. Simon**, L. Poggenpohl and H. Holthusen

COMPUTATIONAL HOMOGENIZATION OF MICROSTRUCTURES WITH LOCALIZATION LEADING TO SOFTENING

13:30 --15:00 Session M3A [**MS10. 'Physical and Numerical Modeling in Geomaterials and Geotechnics'** / Chair: B.L.A. Pichler, E. Hadzalic]. ROOM A

KL: **E. Binder**, M. Königsberger, R. Díaz Flores, H.A. Mang, Ch. Hellmich and **B.L.A. Pichler**

THERMAL ACTIVATION OF CREEP OF MATURE CEMENT PASTE: CREEP EXPERIMENTS AND MULTISCALE-MECHANICS RELATION TO MOLECULAR PROPERTIES

L: **R. Diaz Flores**, M. Aminbaghai, L. Eberhardsteiner, R. Blab, M. Buchta and B.L.A. Pichler

NON-UNIFORM SUBGRADE PROPERTIES OF RIGID PAVEMENT STRUCTURES IDENTIFIED FROM MULTI-DIRECTIONAL FALLING WEIGHT DEFLECTOMETER TESTS

L: **R. Scharf**, B. Pichler, R. Heissenberger, B. Moritz and Ch. Hellmich

DATA AND ANALYTICAL MECHANICS: A NEW LOOK ON NATM TUNNELS

L: **M. Sorgner**, R. Díaz Flores, H. Wang, Ch. Hellmich and B.L.A. Pichler

PREVENTED THERMAL WARPING RESULTS IN TENSILE CRACKING IN THE BULK OF COMPRESSED COLUMNS OF A FIRE-LOADED FRAME STRUCTURE

13:30 --15:00 Session M3B [**MS5. Mechanics, resilience and people: engineering applications and social opportunities** / Chair: N. Dominguez and N. Ademovic] ROOM B

KL: **N. Dominguez**, A. Suarez, E. Montesinos, M. Moreno and M. Montejano

CONSTRUCTING COMMUNITY RESILIENCE BY COUPLING RESILIENCE IMPROVEMENT PROGRAMS AND RESILIENCE-BASED DESIGN

L: **N. Ademovic**

SEISMIC RESILIENCE OF STRUCTURES AND COMMUNITIES AFTER EARTHQUAKES

L: **A. Suárez Suárez**, N. Domínguez Rodríguez and O. Susarrey Huerta

NUMERICAL FORMULATION OF A NEW SOLID-LAYER FINITE ELEMENT TO SIMULATE REINFORCED CONCRETE STRUCTURES STRENGTHENED BY OVERCOATING

L: **Ž. Nikolić**, T. Kekez

AN INTEGRATED APPROACH TO ASSESS COMBINED SEISMIC AND COASTAL FLOODING NATURAL HAZARD RISKS IN COASTAL URBAN AREA

15:00 --15:30 Coffee-Break

LUNCH AREA

15:30 --17:20 Session M4 [**MS3. Recent Trends and Challenges in Computational Modeling of Fibrous Materials and Composites** / Chair: V. Tojaga, J.M. Pfeifer]. Amphi

KL: **V. Tojaga**, Ch. Gasser, A. Kulachenko, S. Östlund and A. Ibrahimbegovic  
ON FINITE ELEMENT IMPLEMENTATION OF GEOMETRICALLY NONLINEAR REISSNER'S BEAM THEORY WITH EMBEDDED STRONG DISCONTINUITIES

L: **N. Kopic-Osmanovic**, E. Prume, S. Felder, G. Kloppenburg and J.-W. Simon  
AN ELASTO-PLASTIC MATERIAL MODEL FOR PAPER AND PAPERBOARD AT FINITE DEFORMATIONS

L: **J.M. Pfeifer**, G. Kloppenburg, J. Neumann and J.-W. Simon  
INCORPORATING STATISTICAL FLUCTUATIONS OF MATERIAL AND STRUCTURAL PROPERTIES INTO FIBER NETWORKS FOR PAPER AND PAPERBOARD

L: **O. Roderer**, J. Jokinen and M. Kanerva  
PREDICTION OF IN-PLANE OPENING FAILURE BY MESO-MODELLING AT ADHESIVE FILM WITH FIBROUS CARRIER

L: **M. Ulz**, A. Maaß, T. Seidlhofer and U. Hirn  
HYGRO-MECHANICAL MATERIAL MODEL FOR PAPER INCLUDING VISCOELASTICITY AND VISCOPLASTICITY

15:30 --17:20 Session M4A [**MS8. Steel & Glass Structures** / Chair: I. Imamović, E. Mešić] **ROOM A**

KL: **I. Imamović**, S. Ljukovac, A. Ibrahimbegović and E. Mešić

BEAM MODELS FOR SMALL WIND TURBINE SUPPORT STRUCTURES DESIGN

L: **G. Grozdanić**, A. Ibrahimbegovic and M. Galić

DIFFERENT APPROACHES IN ANALYSES AND MODELLING LAMINATED GLASS ELEMENTS EXPOSED TO STATIC LOAD

L: **I. Kožar** and G. Šuran

CALCULATION OF LAYERED GLASS

L: **V.M. Ngo**, N.L. Nguyen, X.T. Nguyen and T.T. Bui

BEHAVIOR OF STEEL – ULTRA HIGH PERFORMANCE CONCRETE COMPOSITE GIRDER UNDER NEGATIVE BENDING

L: **M. Subasic**, B. Alfredsson, C.F.O. Dahlberg, J. Smith and P. Efsing

CORROSION FATIGUE OF 304L STAINLESS STEEL IN SIMULATED LWR WATER ENVIRONMENT: EXPERIMENTAL INVESTIGATION AND MODELLING APPROACH

15:30 --17:20 Session M4B [**MS12. Multiscale Modeling of Complex Materials** Chair: P. Trovalusci, C. Gatta] **ROOM B**

KL: **I. Kožar**, I. Pranjić and I. Zambon

NONLINEAR VISCOUS MATERIAL MODEL

L: **C. Gatta**, M. Pingaro, D. Addessi and P. Trovalusci

NONLINEAR MODELLING OF CERAMIC MATRIX COMPOSITE MATERIALS BASED ON A COUPLED VIRTUAL ELEMENT-INTERFACE APPROACH

L: **J.L. Perez-Aparicio** and P. Moreno-Navarro

DYNAMIC PARAMETRIC STUDY FOR THERMOELECTRIC GEOMETRIES IN PELTIER CELLS

L: **J. Jin**, **L. Cauvin**, M. Mayer Grigoletto, B. Raghavan and P. Breitkopf

A NEW MODELING STRATEGY ACCOUNTING FOR MATERIAL TEXTURE

L: **E. Champolivier**, D. Brancherie, P. Feissel, S. Gaied and J.-F. Canourgues

EXPERIMENTAL CHARACTERIZATION OF THE FORMING BEHAVIOR OF AHSS WELDS UNDER SEVERE FORMABILITY CONDITIONS

19:30 --22:00 CONFERENCE BANQUET AT HOTEL "EVROPA"

[Hotel Evropa, address: ulica Vladislava Skarića 5, Sarajevo]

Tuesday, June 27, 2023 (KL=30 min keynote, L=20 min lecture)

(name of the presenting author in **bold letters**)

9:00 --10:30 Session T1 [**MS15. Computer simulation of urban climate and pollutant dispersion** / Chair: Muhamed Hadziabdic, F. De Vuyst]. [Amphi]

KL: **M. Hafizovic** and **M. Hadžiabdić**

INVESTIGATION OF THE INFLUENCE OF URBAN MORPHOLOGY PARAMETERS ON THE OUTDOOR VENTILATION EFFICIENCY USING CFD APPROACH

L: **L. Caban**, **A. Tyliszczak** and **A. Boguslawski**

MODELLING OF AUTO-IGNITION AND FLAME PROPAGATION IN A H<sub>2</sub>/N<sub>2</sub> FLAME USING LES-ADM

L: **A. Tiba**, **T. Dairay**, **F. De Vuyst**, **I. Mortazavi** and **J.P. Berro Ramirez**

PARTITIONED DATA-DRIVEN REDUCED-ORDER STRATEGIES FOR DYNAMIC FLUID-STRUCTURE INTERACTION PROBLEMS

L: **N. Budkina** and **A. Kolyshkin**

WEAKLY NONLINEAR INSTABILITY OF A CONVECTIVE FLOW CAUSED BY INTERNAL HEAT GENERATION

9:00 --10:30 Session T1A. [**MS16. Uncertainty Quantification in material and structural sciences**, / Chair: A. Stanić, H. Mathies]. ROOM A

KL: **V. Narouie**, **H. Wessels** and **U Römer**

QUANTIFYING UNCERTAINTY IN DATA-ENHANCED COMPUTATIONAL MECHANICS WITH THE STATISTICAL FINITE ELEMENT METHOD

L: **A. Razgordanisharahi**, **M. Sorgner**, **B. Pichler**, **T. Pigerstorfer**, **B. Moritz** and **Ch. Hellmich**

ESTIMATION OF LOAD LEVELS IN SEGMENTED TUNNEL SHELLS: CREEP MECHANICS-INFORMED EVALUATION OF STRAIN MEASUREMENTS

L: **I. Kožar**, **M. Plovanić** and **T. Sulovsky**

ESTIMATION OF BEAM BOUNDARY CONDITIONS FROM LASER DOPPLER VIBROMETER MEASUREMENTS

L: **A. Stanić**, **M. Nikolić**, **N. Friedman** and **H. G. Matthies**

STOCHASTIC IDENTIFICATION OF MATERIAL PARAMETERS IN DYNAMIC FRACTURE

9:00 --10:30 Session T1B. [**MS14. Structural assessment of existing buildings: Modeling, Analysis, Structural versus Aesthetical**, / Chair: J.L. Batoz, G. Simonovic] ROOM B

KL: **J.-L. Batoz**, **I. Katili** and **E. Antaluca**

A REVIEW OF RECENT BEST PERFORMING TRIANGULAR PLATE BENDING ELEMENTS WITH SHEAR EFFECTS

L: **S. Medic**, **G. Simonovic**, **M. Hrasnica**, **S. Churilov**, **H. Hadžić** and **E. Selimović**

EXPERIMENTAL TESTING OF AN INTEGRAL BRIDGE

L: **A. Nikonov** and **B. Zupančič**

NUMERICAL DISPERSIVE ANALYSIS OF ELASTIC WAVES IN HETEROGENEOUS PLATES WITH HIGH CONTRAST PROPERTIES OF LAYERS

L: **X. Gu**, **X. Li**, **X. Xia** and **Q. Zhang**

PERIDYNAMIC APPROACH FOR PREDICTING MECHANICAL PROPERTIES AND CRACKING BEHAVIOR OF HYDRATED CEMENT PASTE

10:30 --11:30 Coffee-Break

LUNCH AREA

11:00 --12:30 Session T2 [**MS13. Biomechanics and applications** / Chair: N. Filipovic, R. Schussnig]. Amphi

KL: Bogdan Milićević, Milos Ivanovic, Boban Stojanovic, Miljan Milosevic, Vladimir Simic, Milos Kojic, Djordje Jakovljevic and **Nenad Filipovic**

INTEGRATION OF PHYSICS-INFORMED MUSCLE SURROGATE MODEL INTO FINITE ELEMENT SOLVER

L: **R. Schussnig** and M. Kronbichler

HIGH-PERFORMANCE SOLVERS FOR SCALE-RESOLVING SIMULATIONS OF THE CARDIOVASCULAR SYSTEM

L: C. Dupont, **F. De Vuyst** and A.V. Salsac

INVESTIGATING DATA-DRIVEN MACHINE LEARNING ALGORITHMS FOR PREDICTIVE FSI MICROCAPSULE DYNAMICS INTO MICROCHANNELS

L: **V.Q. Hoang**, G. Vinay, O. Laget and F. Plourde

IMPROVEMENT OF VOF TWO-PHASE FLOW METHOD IN A COLLOCATED FINITE VOLUME FRAMEWORK

11:00 --12:30 Session T2A [**MS7. Sustainable Development of Water Resources and Environmental Engineering** /Chair: A. Serdarević, S. Šuvalija and H. Kalajdžisalihović] ROOM A

KL: Dž. Imamović and **A. Serdarević**

LANDFILL GASS – LANDFILL DEGAS SYSTEM AND METHODS OF USING LANDFILL GAS AT SARAJEVO LANDFILL

L: **N. Lazović**, A. Mulaomerović Šeta and H. Kalajdžisalihović

NUMERICAL MODELING OF THE WATER QUALITY OF THE STUPČANICA RIVER IN OLOVO

L: **H. Milisić** and E. Hadžić

APPLICATION OF ACOUSTIC DOPPLERS CURRENT PROFILERS TO PREDICT OF THE LONGITUDINAL DISPERSION COEFFICIENT IN NATURAL RIVERS

L: **S. Šuvalija** and B. Buhavac

APPLICATION OF THE STORM WATER MANAGEMENT MODEL

11:00 --12:30 Session T2B [**MS6. Experimental investigation and numerical modeling of reinforced concrete structural elements**,/Chair: S. Medić and G. Simonovic]. ROOM B

KL: **Š. Ohranović**, S. Medić and M. Zlatar

CRACKING BEHAVIOUR OF RC BARS WITH BOND-SLIP REINFORCEMENT

L: S. Soelarso, **J.-L. Batoz**, E. Antaluca, F. Lamarque

ON SOIL-STRUCTURE INTERACTION MODELS TO SIMULATE FREE VIBRATIONS AND BEHAVIOR UNDER SEISMIC LOADS OF A REC BUILDING SUPPORTED BY A PARTICULAR SHALLOW FOUNDATION

L: **N. Halilčević**, **A. Karavelić**, S. Medić and M. Zlatar

EXPERIMENTAL AND NUMERICAL ASSESSMENT OF A PRESTRESSED HOLLOW CORE SLAB

12:30 --14:00 Lunch-Break

LUNCH AREA

16:00-17:00 GUIDED TOUR OF CITY CENTER

20:00-22:00 CLOSING DINER (INVITATION ONLY)