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PREFACE

The proceedings contain 86 conference papers presented at the 36th conference **Computational Mechanics 2021**, which was held at the Hotel Srní in Srní, Czech Republic, on November 8 – 10, 2021. This annual conference, which was attended by over one hundred participants from the Czech Republic, Slovakia and from abroad, was organised by the Department of Mechanics, Faculty of Applied Sciences of the University of West Bohemia under the auspices of

- Miloš Železný, the Dean of the Faculty of Applied Sciences,
- Ilona Mauritzová, the President of the Pilsen Region,
- Czech Society for Mechanics,
- Czech National Committee of IFToMM,
- Central European Association for Computational Mechanics.

The main objective of this traditional conference is to bring together academicians, researchers and industrial partners interested in relevant disciplines of mechanics including

- solid mechanics,
- dynamics of mechanical systems,
- mechatronics and vibrations,
- reliability and durability of structures,
- fracture mechanics,
- mechanics in civil engineering,
- fluid mechanics and fluid-structure interaction,
- thermodynamics,
- biomechanics,
- heterogeneous media and multiscale problems,
- experimental methods in mechanics,

to create an opportunity for meeting, discussion and collaboration among the participants. As in the previous years, the three best papers presented at this conference were awarded the Czech Society for Mechanics Award for young researchers under 35 years of age.

To all conference participants, we offer the possibility to publish their peer-reviewed full papers in the international journal **Applied and Computational Mechanics** indexed by Scopus. This journal has been published by the University of West Bohemia since 2007 (see <https://www.kme.zcu.cz/acm/>).

We would like to express our gratitude to all the invited speakers for their significant contribution to the conference and the time and effort they put. Considerable acknowledgement belongs also to the members of the Organising Committee for their important work.

We strongly believe that all participants of the CM2021 enjoyed their stay in the beautiful nature of the Šumava region in a meaningful way despite the ongoing COVID-19 restrictions. Finally, we would like to invite you all to come to the next conference CM2022.

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Committee

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Table of Contents

Balon A., Beneš P., Šika Z.: <i>Unsteady vortex lattice method for an active morphing airfoil</i>	1
Bauma V., Valášek M.: <i>Vault principle in joining robots</i>	3
Bayer J.: <i>Solving the moving mass problem on large finite element models with modal analysis – estimation of the discrete movement error</i>	5
Bělohoubek M., Hajžman M., Vimmr J.: <i>Comparison of computational approaches for the efficient analysis of airfoil dynamics</i>	9
Beneš P., Zavřel J., Jílek M., Šika Z.: <i>Improving dexterity of tensegrity structures using a set of local linear models</i>	13
Brož P., Dobiáš D.: <i>Some solutions to crack growth effects in metallic materials – crack shape progress and plasticity induced crack closure simulation</i>	15
Bublík O., Pecka A., Heidler V.: <i>Fast blade shape optimization based on a neural-network-predicted flow field</i>	19
Bulín R., Hrabačka M., Hajžman M.: <i>Influence of various constraints in topology optimization of tensegrity structures using mixed integer linear programming</i>	21
Burkotová J.: <i>Shape optimization of nonlinear Gao beam</i>	25
Camprová Turjanicová J., Rohan E.: <i>Electrolyte flow through piezoelectric porous media and its application to two-scale cortical bone modeling</i>	27
Čečrdle J.: <i>Aeroelastic response analysis of turboprop aircraft including effects of powerplant rotating mass</i>	31
Čermák M.: <i>Conveyor belts – predictive maintenance</i>	35
Cimrman R.: <i>Assessment of Python tensor contraction packages in the context of finite element evaluations</i>	37
Dupal J.: <i>Investigation of critical rotor revolution in rotating space</i>	40
Dušková V., Jonášová A., Plánička S., Vimmr J.: <i>In-silico study of flow-mediated thrombosis in portal vein reconstructions</i>	44
Dyk Š., Byrtus M.: <i>Frequency lock-in phenomenon in structures with aeroelastic couplings</i>	47
Egermaier J., Horníková H.: <i>Some aspects of isogeometric analysis discretization of the incompressible fluid flow problem</i>	49
Elbarghthi A. F. A., Dvořák V.: <i>Ejector-boosted transcritical R744 refrigeration system</i>	52
Frost M., Sedlák P.: <i>Macroscopic constitutive model for NiTi shape memory alloys: Formulation, numerical implementation, and application in materials research</i>	55
Fürst J., Halada T., Sedlář M., Krátký T., Procházka P., Komárek M.: <i>Numerical simulation of flows in discharge objects with siphon</i>	59

Guran A., Vahidi-Shams A., Sapietová A., Sága M.: <i>Temperature variations of microfiber textiles subject to DC voltage</i>	63
Hajžman M., Bulín R., Očenášek J.: <i>Effect of multiple pantographs on their dynamic interaction with a catenary system</i>	67
Halamka V., Šika Z., Valášek M.: <i>Design, modelling and analysis of concepts of planar serial robots based on tensegrity structures</i>	69
Havlíček O., Bartošák M.: <i>Implementation of a modified unified viscoplastic constitutive model</i>	73
Heidler V., Bublík O., Pecka A.: <i>Eulerian-Lagrangian and Eulerian-Eulerian approaches for the simulation of particle-laden free surface flow</i>	76
Hermann D., Klesa J.: <i>Design of experimental transsonic axial compressor</i>	79
Hrabačka M., Bulín R.: <i>Form-finding of tensegrity structures based on defined topology and following semi-automatic creation of corresponding Simscape models</i>	82
Hračov S., Macháček M.: <i>Aerodynamic wind tunnel testing of U-beams</i>	85
Huu-Nam T., Petříková I., Marvalová B.: <i>Numerical computation of stress relaxation of isotropic magnetorheological elastomer using fractional viscoelastic models</i>	89
Hynčík L.: <i>Subject-specific human body (sub-)models developed by morphing</i>	93
Jansová M., Malotín T., Křen J., Votápek P., Lobovský L., Hynčík L.: <i>Biomechanical comparison of five implants used to treat a supracondylar periprosthetic fracture of osteoporotic femur</i>	97
Ježek O., Kopačka J., Gabriel D.: <i>Assessment of post-processing capabilities in selected software for topology optimization</i>	99
Karlíček J., Steinbauer P., Pawlik V.: <i>Structural health monitoring during white-noise vibration testing using total harmonic distortion</i>	103
Kepka M., Kepka jr. M., Minich R., Žlábek P.: <i>Practical notes on the evaluation of fatigue life of welded nodes of bus bodyworks</i>	107
Klepač V., Parma S., Feigenbaum H. P., Marek R., Plešek J., Svárovský J.: <i>Use of advanced kinematic hardening rules for prediction of multiaxial ratcheting</i>	111
Klesa J.: <i>Aerodynamic design of transsonic compressor airfoil family</i>	115
Kohút J., Jagoš J., Formánek M., Burša J.: <i>In vitro structured tree model of the peripheral vascular network</i>	118
Kraus K., Šika Z.: <i>Experimental based tuning of active absorber</i>	122
Krejčová M., Sova L., Lermer M.: <i>Design of cooling system of power-electronics</i>	124
Krivošej J., Šika Z., Kraus K.: <i>Vibration suppression using nonlinear control of active absorber</i>	127

Kruisová A., Kopačka J., Kober J.: <i>Modelling approaches to the stress wave propagation in a cracked specimen</i>	129
Krystek J., Horák L.: <i>Influence of surface structure of composite on adhesive joint shear strength</i>	133
Kult J.: <i>DoE analysis of the spherical joint friction torque</i>	135
Ledvinková B., Hračov S., Macháček M.: <i>Numerical study of the flow around the U-profile</i>	138
Lobovský L., Marešová M., Mandys T., Salášek M., Hluchá J., Pavelka T., Křen J.: <i>Computational modelling of pelvic ring osteosynthesis by minimally invasive fixation techniques</i>	142
Lukeš V.: <i>Generation of artificial vascular trees – constrained constructive optimization approach</i>	144
Malá A., Zámečníková T., Bartošák M., Kropík B., Ponížil T., Schmidová N., Mareš T.: <i>Finite element analysis of composite tubes with integrated loop technology joints</i>	146
Mandys T., Laš V., Krystek J.: <i>Influence of potting geometry of inserts load-carrying capability in sandwich structure</i>	149
Medůna O., Kult J., Šulc M.: <i>Modeling of large deformation of the foam part using LS-DYNA</i>	152
Molčan M., Ferfecki P., Zapoměl J.: <i>New test device design for static ferrofluid magnetic sealing</i>	155
Moravcová F., Rohan E.: <i>Acoustic streaming of viscous fluid in a confining layer with vibrating walls – numerical simulations</i>	157
Naď M., Rolník L., Lovíšková J.: <i>Control of modal properties of beam structures using the reinforcing core</i>	161
Náprstek J., Fischer C.: <i>Description of the quasi-periodic response caused by combined harmonic and random excitation</i>	165
Očenášek J.: <i>Study of anharmonic vibrational properties in 3D crystals using molecular dynamics simulations</i>	169
Otta J., Macák P.: <i>Method of shifted order spectra – identification of spatial orders of electric machines</i>	171
Padovec Z., Sedláček R., Zámečníková T.: <i>Development of composite element joining keel beam and aircraft fuselage</i>	175
Pavlatá P.: <i>Computational assessment of hinge deformation of the tilting sidewall of the truck body</i>	179
Pawlik V., Steinbauer P., Karlíček J., Denk P., Kraus K., Bukovský I.: <i>Control of the electrodynamic shaker with additional force sources</i>	183
Pecka A., Bublík O.: <i>Fluid-structure interaction algorithm for an elastic structure with large deformations</i>	186

Plánička S., Rendlová Z., Švígler J.: <i>Screw expander: The expansion solver</i>	190
Pokorný J., Návrát T.: <i>Calculation of stiffness and damping coefficients of hydrodynamic lemon-bore journal bearings</i>	192
Polach P., Šika Z., Hajžman M., Bulín R., Beneš P., Zavřel J.: <i>Research on the utilization of mechatronic tensegrities in robotics</i>	196
Radová J., Machalová J.: <i>Inverse problem for nonlinear Gao beam and foundation</i>	200
Rendl J., Smolík L.: <i>Influence of mesh density on the analysis of textured journal bearings</i>	204
Rendlová Z., Plánička S., Švígler J.: <i>Screw expander: Working chamber analysis to maximize transmitted torque</i>	207
Rohan E., Lukeš V.: <i>Flow in poro-piezoelectric media induced by persaltic deformation waves – homogenization approach</i>	210
Rosenberg J., Krejčová M.: <i>Fractional-order model of the Cajal-like interstitial cell</i>	214
Růžička M., Uher O., Kulíšek V.: <i>Pitfalls and myths when designing from composite materials</i>	218
Šika Z., Kraus K., Neusser Z., Krivošej J., Vyhřídál T.: <i>Planar and spatial active absorbers for entire vibration suppression</i>	222
Šlapák J.: <i>Behaviour of the rail load parameter B defined by the standard EN 14363</i>	224
Smolík L.: <i>Effects of journal and housing roundness errors on dynamics of journal bearings</i>	228
Šnábl P., Chindada S., Bublík O., Procházka P., Prasad C. S.: <i>Numerical and experimental investigation of the flow field in five blade linear cascade in subsonic flow</i>	232
Špička J., Čermák M., Bońkowski T., Kroft R., Vychytil J.: <i>Support of the numerical mechanics in the clarification of the mysterious death of Jan Masaryk</i>	234
Šulda J., Adámek V., Kroft R.: <i>Identification of viscoelastic material properties using the analysis of waves propagated in thin rods</i>	238
Sváček P.: <i>On mathematical models of airflow in a glottal channel model periodically closed by flow induced vocal folds vibration</i>	241
Svárovský J., Parma S., Štefan J., Ciocanel C., Feigenbaum H. P., Klepač V., Marek R., Plešek J.: <i>Development of autonomous experimental setup to investigate directional distortional hardening under biaxial loading</i>	245
Talimian A., Vychytil J.: <i>Virthuman application for family safety in highly automated vehicle's frontal crash</i>	248
Valášek J., Sváček P.: <i>Dynamic mode decomposition and its application to the flutter analysis</i>	252
Valenta J., Kratochvíl A.: <i>Influence of an atmosphere at an airplane flutter velocity</i>	256

Vychytil J., Špička J., Hluchá J., Kovář L., Moravcová P., Bucsuházy K.: <i>Innovative active head restraint system in car: Virtual prototyping and safety assessment</i>	259
Winter O., Sváček P.: <i>A high order discontinuous Galerkin method for fluid-structure interaction</i>	262
Žák J.: <i>Problematics of curved laminated composites</i>	266
Zámečníková T., Mareš T., Kulíšek V., Kropík B.: <i>Comparison of analytical methods and FE models to calculate the stiffness of a wound composite beam</i>	270
Zapoměl J., Ferfecki P., Molčan M.: <i>The fuzzy approach for investigation of the steady-state response of rotors excited by loading effects of uncertain magnitude</i>	274
Zavřel J., Šika Z., Halamka V.: <i>Trajectory planning for tensegrity structures</i>	278
Zeman V., Hlaváč Z.: <i>Modelling of nuclear fuel assemblies vibration in mutual interaction</i>	281