

AFRICOMP 7, 2026 - Programme



PROGRAMME OVERVIEW

TUESDAY, 24/02/2026, 17:00 - 18:30: Registration and Welcome Function, GSB (V&A Waterfront)

WEDNESDAY, 25/02/2026

Session	Venue A	Venue B
1 (08:30 - 10:00)	Conference Opening & KEYNOTE LECTURES	
Tea Break (10:00 - 10:30)		
2 (10:30 - 12:30)	Biological Systems	Manufacturing and Process Engineering
Lunch (12:30 -13:30)		
3 (13:30 - 15:00)	Computat. Modelling of Biological Soft Tissues (1)	Material Design and Modelling (1)
Tea break (15:00 - 15:30)		
4 (15:30 - 17:30)	Computat. Modelling of Biological Soft Tissues (2)	Material Design and Modelling (2)

THURSDAY, 26/02/2026

5 (8:30 - 10:00)	KEYNOTE LECTURES	
Tea break (10:00 - 10:30)		
6 (10:30 - 12:30)	Numerical Simulation Methods	Inverse Problems, Optimization and Design
Lunch (12:30 -13:30)		
7 (13:30 - 15:00)	Multi-scale and Multi-physics Problems (1)	Flow Problems (1)
Tea break (15:00 - 15:30)		
8 (15:30 - 17:00)	Multi-scale and Multi-physics Problems (2)	Flow Problems (2)
Conference Dinner 18:00, Kirstenbosch National Botanical Gardens		

FRIDAY, 27/02/2026

9 (8:30 - 10:00)	KEYNOTE LECTURES	
Tea break (10:00 - 10:30)		
10 (10:30 - 12:30)	Granular Materials and Bulk Handling	Data Science and Machine Learning
Lunch (12:30 -13:30)		
11 (13:30 - 15:00)	Damage, Fracture and Failure	Bridging Physics and Data: AI Methods in Solid and Fluid Mechanics
Tea break (15:00 - 15:30)		
12 (15:30 - 17:30)	Structural Mechanics, Stability and Dynamics	Various Topics on Computational Mechanics
Closing Function 17:30 - 18:00		

WEDNESDAY, 25 FEBRUARY 2026

Session 1 (08:30 - 10:00) Venue A	
Conference Opening: <i>Sebastian Skatulla, Chairman AFRICOMP, University of Cape Town</i>	
KEYNOTE LECTURES <i>Chair: Jörg Schröder</i>	
Towards an Improved Understanding of The Role of Flow in Blood Clot Formation, <i>Malebogo Ngoepe</i>	
Accelerated development of materials using high-throughput strategies and AI/ML, <i>Surya Kalidindi</i>	
Tea Break (10:00 - 10:30)	
Session 2 (10:30 - 12:30)	
Biological Systems Venue A <i>Chair: Paul Steinmann</i>	Manufacturing and Process Engineering Venue B <i>Chair: Schalk Kok</i>
Validating AmHC as a Cancer Therapy Through in Vitro Experiments and Multiphysics Simulation <i>Kamogelo Millicent Mmereke, Thanyani Pandelani, Tracy Masebe</i>	Simulation of High-Pressure-Torsion Within the Material-Point-Method <i>Dominik-Oliver Cloidt, Marvin Koßler, Rainer Niekamp, Jörg Schröder</i>
Experimental-Computational Assessment of Hybrid III Lower Limb Response during Underbody Blast Loading, <i>Karabelo Sekhuthu, Dithoto Modungwa, Mangalani Miyambo, David Reinecke, Pandelani Thanyani</i>	Impact of Optimized Computational Modelling on Manufacturing Feasibility and Hydrodynamic Performance of Polymeric Heart Valve Prostheses <i>L Masheane</i>
Computational Framework for Coil Embolisation in Arteriovenous Malformations <i>Jordan Bougardt, Malebogo Ngoepe, Fabian Holzberger, Markus Muhr, Barbara I. Wohlmuth, Randall T. Paton, Cecil M. Pule, Karabo Moisane, Jay Pillai, Wei Hua Ho</i>	Analysis of Residual Stress and Optimisation of Friction Welded Ti6Al4V Alloy <i>MC Zulu, PM Mashinini, T. Ntsoane, A.Venter, R. van der Merwe, D. Marais</i>
A Novel Algorithmic Formulation of Trabecular Bone Remodelling Using a Three-Scale Model <i>Areti Papastavrou, Peter Pivonka, Paul Steinmann</i>	Mixing-Based Estimation of Alloy Thermophysical and Optical Properties for CFD Simulations <i>Raymond Botete, Deborah Blaine, Gerhard Venter</i>
Validation of Mechanical Properties of Diamond Lattice Structure Produced Through Lithography-Based Ceramic Manufacturing for Bone Regeneration Scaffold <i>Morakane Moletsane, Lehlohonolo Monaheng, Willie du Preez, Deon de Beer, Shathani Nkhwa</i>	Embedded FEM-Based Simulation Framework for the Qualification of Repair and Remanufacturing Processes <i>Michele Chiumenti, Carlos Augusto Moreira, Manuel Caicedo, Runeal Ramma</i>
A Quantitative Understanding of Glymphatic Transport and Deposition of Amyloid Using Image-Based Subject-Specific Modelling <i>Shaolie S. Hossain, Derya Bakiler, Michael J. Johnson, Michael R.A. Abdelmalik, Frimpong A. Baidoo, Andrew Badachhape, Thomas J.R. Hughes</i>	Physics by Design <i>Daniel N. Wilke</i>
	Computational Strategies and Experimental Validation for Economical Development of Polymeric Heart Valves in Resource-Constrained Environments <i>Lebohang Masheane, W. Du Preez, J. Combrinck</i>
Lunch (12:30 -13:30)	

Session 3 (13:30 -15:00)	
Computational Modelling of Biological Soft Tissues (1) <i>Chairs: Thanyani A. Pandelania, Harry M. Ngwangwab</i>	Material Design and Modelling (1) Venue B <i>Chair: Jeremy Bleyer</i>
Grail-Heart: A Graph Neural Network Framework for Inverse Modelling of Cell-Cell Communication in Cardiac Tissues <i>Tumo Kgabeng, Lulu Wang, Harry Ngwangwa, Thanyani Pandelani</i>	Limpet Teeth: A Role Model Material Combining Auxetic Properties with High Strength and Stiffness <i>Swantje Bargmann, S.-H. Oh, J. Kim, Y. Liu, M. Wurmshuber, X. Peng, J. Seo, J. Jeong, Z. Wang, J. Wilmers, C. Soyarslan, J. Kim, B. Kittiwirayanon, J. Jeong, H.-J. Kim, Y. H. Huh, D. Kiener, H. Gao</i>
Computational Modelling of Thermal-Mechanical Coupling in Soft Biological Tissues: A Multiphysics Approach <i>Thandiwe Radebe</i>	Data-adaptive spline-based viscoelasticity for soft solids <i>Simon Wiesheier, Miguel Angel Moreno-Mateos, Paul Steinmann</i>
Development of a Transient Finite Volume 1D Thermofluid Network Modelling Methodology for the Human Cardiovascular System <i>Nicola Cilliers, Ryno Laubscher, Pieter Rousseau</i>	What Can Molecular Dynamic Simulations Tell Us About the Deformation Behaviour of Glassy Amorphous Polymers? <i>Sumit Basu</i>
Comparative Pulmonary Trauma Induced by Homemade and Military Explosives: A Biomechanical Perspective on Blast Exposure <i>Karabelo Sekhuthu, Pholisa Ngcebesha, Mzwandile Mokalane, David Reinecke, Pandelani Thanyani</i>	Mullins Softening with Neural Network Constitutive Models <i>Dominik K. Klein, Jonas Fey, Oliver Weeger</i>
Material Characterisation and Durability Testing of Pig Aortic Valves , <i>Edward Matjeke</i>	Comparative Analysis of Modelling Techniques for Pressure Vessels Undergoing Metal Loss Failures <i>Ifeanyi E. Kalu, Schalk Kok, Helen M. Inglis</i>
Tea Break (15:00 – 15:30)	
Session 4 (15:30 – 17:30)	
Computational Modelling of Biological Soft Tissues (2) <i>Chairs: Thanyani A. Pandelania, Harry M. Ngwangwab</i>	Material Design and Modelling (2) Venue B <i>Chair: Swantje Bargmann</i>
Exploring Brain Mechanics. A Journey From the Cellular via the Tissue to the Organ Level , <i>Paul Steinmann</i>	Manufacturing Effects on the UC Topology of 3D Printed Lattice Metamaterials for Wave Attenuation <i>Rachele Zuppi, Alessandra Paoloni, Luca Parente, Daniela Adessi</i>
Scientific Machine Learning and Uncertainty Quantification for Aortic Hemodynamics and Wall Mechanics <i>Sascha Ranftl</i>	Logarithmic Strain-Rate Based Finite-Strain Hyper-Viscoelastic Framework for Antarctic Ice Shelves <i>Maxime Nutte, Sebastian Skatulla, Carlo Sansour</i>
Computational Modelling Approaches to Understanding Lower Limb Injury in Underbody Blast <i>Lebone Mokgotho</i>	Numerically Assessing the Midpoint Material Response of the Clamped Circular Plate Subjected to Blast Loading and Validating the Model Using the High-Speed Digital Image Correlation Technique <i>Mzwandile Mokalane, Dawood A. Desai, Karabelo Sekhuthu, David Reinecke</i>
Computational Biomechanics of Ocular Trauma: A Finite Element Analysis for Personal Protective Equipment Design <i>Wilfried Barros</i>	Thermodynamically Consistent Modelling of Viscoelastic-Plastic Behaviour in SLS-Processed Polyamide 12 <i>Michael Johlitz, Dominik Hahne, Alexander Lion</i>
Studying the Effect of Intramyocardial Biomaterial Injectates on Cardiac Myofibroblast Mechanics to Guide Scar Development in Myocardial Infarcts <i>Ngaka J. Nchejane, Kevin L. Sack, Y. Dodzi Motchon, Juliet Nagawa, Mazin S. Sirry, Tamer Abdalrahman, Neil H. Davies, Thomas Franz</i>	The Power of Auxetics: How Can Structural Effects Contribute to the Design of Metamaterials? <i>Tim Ricken, Maximilian Brodbeck, Nicolas Grünfelder, Benjamin Dieckgraeff, Krishnaa Madhikarmi</i>
A Biomechanical Framework for Simulating Tumor-Induced Brain Herniation <i>Nicole Tueni, Silvia Budday</i>	Automated and Differentiable Constitutive Modelling in JAX , <i>Jeremy Bleyer</i>

THURSDAY, 26 FEBRUARY 2026

Session 5 (8:30 -10:00) KEYNOTE LECTURES <i>Chair: Michael Kaliske</i>	
Neural operator learning for computational solid mechanics, <i>Laura de Lorenzis</i>	
The Art and Science of Mismatch: Aligning Data, Models, Latent Spaces, Fidelity and Engineering Objectives, <i>Daniel N. Wilke</i>	
Tea Break (10:00 – 10:30)	
Session 6 (10:30 – 12:30)	
Numerical Simulation Methods Venue A <i>Chair: Karol Miller</i>	Inverse Problems, Optimization and Design B <i>Chair: Moritz Flaschel</i>
Variation in the Porosity of a Packed Bed of Spheres Accounting for Overlaps Between Spheres <i>CG du Toit</i>	Non-Smooth Optimization Meets Automated Material Model Discovery <i>Moritz Flaschel, Trevor Hastie, Ellen Kuhl</i>
Development and Implementation of Numerical Models for Annual Performance Prediction of a 50 MWe CSP Plant Using a Natural Draft Air-Cooled Condenser <i>Tristan O. Nel, Johannes P. Pretorius, Pieter G. Rousseau</i>	Multi-Thickness Topology Optimization: Maximizing Performance and Manufacturability <i>Gabriel Stankiewicz, Chaitanya Dev, Paul Steinmann</i>
Numerical Investigation of Transverse Isotropy in Continuum-Kinematics-Inspired Peridynamics <i>J Stadler, A.M. De Villiers, A. Javili, G. Limbert, A.T. McBride, P. Steinmann</i>	A Hybrid Approach to Heat Exchanger Design: Calibrating Empirical Correlations with a Cell-by-Cell Numerical Solver <i>Tinashe Ngwenya</i>
A Gradient-Enhanced Approach for Stable Finite Element Approximations of Convection-Diffusion Equations <i>Daya Reddy, Soheil Firooz, Paul Steinmann</i>	Estimation of Parameters for Prediction of Vortex-Induced Vibrations by Means of Bayesian Methods <i>Bernt J. Leira, Svein Sævik, Jie Wu</i>
SPH Simulations of Integral Fractional K-BKZ Viscoelastic Models <i>Luca Santelli, Adolfo Vazquez-Quesada, Marco Ellero</i>	Enhancement of Damping of Railway Sleeper Using Waste Tire Rubber Particles to Promote Sustainability <i>Mbatha Abednigo Jabu</i>
Dynamic Modelling and Sensitivity Analysis of Pitting Growth Effects in a Spur Gearbox <i>Yakeu Happi Kemajou Herbert, Prof. Bernard Xavier Tchomeni, Alfayo Anyika Alugongo</i>	
Lunch (12:30 -13:30)	

Session 7 (13:30 -15:00)	
Multi-scale and Multi-physics Problems (1) A <i>Chair: Daniel Wilke</i>	Flow Problems (1) Venue B <i>Chair: Frederic Diaz</i>
<p>Multifield Finite Strain Thermoplasticity: Theory and Numerics <i>Andrew McBride, Ross Williams, Lukasz Kaczmarczyk, Paul Steinmann, Chris Pretty, Chris Pearce</i></p> <p>Multifield Thermoplasticity and Its Application to Linear Friction Welding <i>Ross A. Williams, Andrei G. Shvarts, Chris Pretty, Andrew McBride, Łukasz Kaczmarczyk</i></p> <p>Novel Modelling Approaches to Simulate Innovative Mineral Composites <i>Michael Kaliske</i></p> <p>Using Multi-Physics Digital Twins for Brake Wear Prognosis of a Mining Vehicle <i>Luke van Eyk, Brian Ellis, Stephan Schmidt, Stephan Heyns</i></p> <p>Multi-Scale Digital Twin Framework for Physics-Informed Fault Diagnosis and Prognosis of Helical Gears <i>Brian Ellis, P.S. Heyns, Stephan Schmidt</i></p>	<p>Numerical Investigation Into the Effect of Throat Passage Width on sCO₂ Axial Turbine Stage Performance Using Computational Fluid Dynamics Simulations <i>Nicholas Cato, Dr. Johannes Pretorius, Dr. Adam Venter, Prof. Ryno Laubscher</i></p> <p>Development of Performance and CFD Simulation Models for Surrogate-Based Optimisation of Natural Draft Direct Dry Cooling Tower Shell Shape <i>Robert Cheesman-Hooper, Johannes Pretorius, Rashid Haffejee</i></p> <p>Microfluidic Simulation of Surface Acoustic Waves for Separation of Al₂O₃ and Fe₃O₄ in Water <i>Active O. Mathedimosa, Thokozani J. Kunene</i></p> <p>Numerical and Experimental Analysis of Electromagnetic Nanofluids Using Double-Coil Helmholtz Coil in Microchannels <i>Benedict Mavodze, Thokozani Justin Kunene</i></p> <p>Instability and Mixing in Confined Buoyant Plumes <i>Nigel C. Dhlamini, H. D. Lim, Wei Hua Ho</i></p>
Tea Break (15:00 – 15:30)	
Session 8 (15:30 – 17:00)	
Multi-scale and Multi-physics Problems (2) A <i>Chair: Daya Reddy</i>	Flow Problems (2) Venue B <i>Chair: Malebogo Ngoepe</i>
<p>The Influence of Scale-Size Effects on Effective Coefficients and Multi-Continuum Homogenization <i>Grigor Nika</i></p> <p>Multi-Scale Phenomena in eVTOL Vertiport Flow-Acoustic Interactions <i>Vladimir Golubev</i></p> <p>Coupled Multiphysics Models for Feed Throughput Estimation in Electric Arc Furnaces <i>Myren Rajh, Willem Roos, Alfred Bogaers</i></p> <p>Nonlinear Dynamics of a Human Arm Model with Electromechanical Actuation Under Variable Load <i>Bernard Xavier Tchomeni Kouejou</i></p>	<p>Wind Resource Assessment Using OpenFOAM at a Potential South African Wind Farm Site <i>Ayoub Rawoot, Adam J Venter, Andrew Gill, Milan A Swart</i></p> <p>Optimizing Perforated Plates for Flow Uniformity in Shock Tube Reactive Film Cooling <i>Tinashe Ngwenya</i></p> <p>Modelling of the Fluid Structure Interaction of the Horizontal Axis Bio-Inspired Wind Turbine Blade and Effect on Annual Energy Production <i>Arinao Netshivhulana, Harry Ngwangwa, Thanyani Pandelani, Dithoto Modungwa, Fulufhelo Nemavhola</i></p> <p>A Theory for Three-Dimensional Wave Breaking Based on Crest Instability of Short-Crested Waves <i>Frederic Dias</i></p>
Conference dinner 18:00, Kirstenbosch National Botanical Gardens Bus departure: 17:00	

FRIDAY, 27 FEBRUARY 2026

Session 9 (8:30 -10:00) KEYNOTE LECTURES	
<i>Chair: TBA</i>	
SA Agulhas II - Flagship for Vessel 4.0, <i>Annie Bekker</i>	
The Engineer Will See You Now: Fixing What Medicine Can't, <i>Karol Miller</i>	
Tea Break (10:00 - 10:30)	
Session 10 (10:30 - 12:30)	
Granular Materials and Bulk Handling Venue A	Data Science and Machine Learning Venue B
<i>Chair: Corné Coetzee</i>	<i>Chair: Markus Kästner</i>
<p>Towards the Efficient DEM Modelling of Interlocking Particles <i>Andre Katterfeld, Mohsin Ajmal</i></p> <p>Modelling the Transition From Compacted to Free-Flowing Behavior in Stockpiled Bulk Materials Using Rocky DEM <i>Ben McPherson, David Bradney</i></p> <p>Coupling the Material Point Method and the Finite Volume Method <i>Corne Coetzee, Matthew Purvance</i></p> <p>Calibration of a Coupled CFD-DEM Model <i>Corne Coetzee, Jacob Wasserfall, Christiaan Meyer</i></p> <p>Statistical Evaluation of Computational Approaches for Wet Granular Systems Using PEPT Experiments <i>Taswald Llewelyn Moodley, Indresan Govender, Sandile Nkwanyana</i></p> <p>Modelling and Experimental Analysis of Granular Flow in Flexible Intermediate Bulk Containers (FIBCs) <i>Mitchell Boots, Mark Jones, Peter Robinson</i></p> <p>Coupled CFD-DEM Simulation for Studying the Greenhouse Gas Emissions of the Compost Turner <i>Andre Katterfeld, Ibtihaj Faridi, Max Cichocki, Christian Landschützer, Eva Buchmayer, Fabian Theurl</i></p> <p>Dynamics of a Nutating Mill with Charge-Structure Interaction, <i>Christo Janse van Vuuren, Johann Bredell, Corné Coetzee</i></p>	<p>Machine Learning and Finite Element Modelling for Predicting Outcomes for PPCM Patients Without and with Left Ventricular Assist Device <i>Juliet Nagawa, Kevin L. Sack, Sarah Kraus, Mazin Sirry, Ntobeko A.B. Ntusi, Neil H. Davies, Karen Sliwa, T. Franz</i></p> <p>Innovative Hybrid Data Generation for Evolving Rail Damage: Utilizing Variational Autoencoders in Ultrasonic Guided Wave Inspection Simulations <i>Dineo A. Ramatlo, Daniel N. Wilke, Phillip W. Loveday</i></p> <p>Structuring Latent Spaces: A Primer to the LS-PIE Framework <i>Jesse N. Stevens, Daniel N. Wilke, Isaac I. Setshedi</i></p> <p>Context-Aware Vibration-Compensated Head Gesture Recognition for Turret Control on Mobile Platforms <i>Lonwabo Rooibaard, Dithoto Modungwa, Thanyani Phandelani, Malusi Sibiya</i></p> <p>Performance Optimization of Edge AI for Low-Power Acoustic UAV Detection: A Comparative Study on Arduino Nano 33 BLE Sense <i>Lonwabo Rooibaard, Dithoto Modungwa, Malusi Sibiya, Thanyani Phandelani</i></p> <p>Lagrangian Neural Networks for Nonholonomic Mechanics <i>Viviana A. Diaz</i></p> <p>Computational Modelling of Circulatory Stasis in Aviation Environments: The Dfpas Insole for Flight Crew Health <i>Kingsley Essel Arthur</i></p> <p>Closing the Gaps: Off-Line Parameter Estimation in UAVs Under Sensor Noise, Bias and Blackout <i>Makhosazana Moyo, Jimoh Pedro</i></p>
Lunch (12:30 -13:30)	

Session 11 (13:30 -15:00)	
Damage, Fracture and Failure Venue A <i>Chair: Michael Johlitz</i>	AI Methods in Solid and Fluid Mechanics Venue B <i>Chairs: Laura de Lorenzis, Michael Kaliske, Jörg Schröder</i>
Finite Viscoelastic Modelling of Ice Shelves Using an Exponential Update Scheme and Glen' Flow Law <i>J. Schröder, M. Kossler, R. Müller, A. Humbert</i>	Numerical Simulation of Lower Limb Surrogates for Injury Prediction in Under-Vehicle Blast Events <i>Thanyani Pandelani</i>
Modelling of the Footloose Rampart Effect in Ice Shelves Using a Multiplicative Viscoelastic Material Model <i>Marvin Koßler, Sebastian Skatulla, Jörg Schröder</i>	From NN-Based Material Modelling Towards Inverse Materials Design, Markus Kästner
Logarithmic Strain-Based Glen's Flow Law for Glaciological Applications, <i>Paul Namalomba, Sebastian Skatulla, Carlo Sansour, Michael Kaliske, Maxime Nutte</i>	Interpretable, Uncertainty-Aware Soft Tissue Modelling <i>Kevin Linka, Ellen Kuhl</i>
Dynamic Response of Materials During High Velocity Impact, <i>Marisol Koslowski, Simon Gonzalez Zapata</i>	Application of Physics-Informed Operator Learning in Computational Solid Mechanics, <i>Shahed Rezaei</i>
Thermal-Mechanical-Chemical Coupled Model and Three-Dimensional Damage Evaluation for Laser-Ablated CFRP, <i>Zeang Zhao, Daining Fang</i>	Contrasting Variance- and Interpretability-Driven Latent Variable Models with Latent Post-Processing for Guide Wave Ultrasound for Feature Detection, <i>Isaac I. Setshedi, Daniel N. Wilke, Philip W. Loveday, Jesse Stevens</i>
Tea Break (15:00 - 15:30)	
Session 12 (15:30 - 17:30)	
Structural Mechanics, Stability and Dynamics A <i>Chair: Tim Ricken</i>	Various Topics related to Computational Mechanics B <i>Chair: Maxime Nutte</i>
On the Use of Supervised and Unsupervised Machine Learning Methods for Structural Analysis of Mooring Lines for Offshore Wind Turbines, <i>Thi-Hoa Nguyen, Bruno Rocca, Marcelo Ruiz, Cristian Gebhardt</i>	Enhanced Concept-Based Exploration of Manipulators' Design Spaces with Kinematics, Dynamics, Control Co-Design, and AI Integration <i>Dithoto Modungwa, Amiram Moshaiov, Alon Snir</i>
Passive Vibration Damping of Prestressed Thin-Walled Structures Using Shunted Piezoelectric Elements <i>S. V. Lekomtsev, Valerii P. Matveenko, Alexander N. Senin</i>	A Kinodynamic Extension of the Dynamic Window Approach for Off-Road Autonomous Ground Vehicle <i>N Mhlongo, D Modungwa</i>
Impact of New Joining Processes of New Materials of the Structure of an Automobile on Its Vehicle Handling Dynamics, <i>Pedro Millan, Jorge Ambrosio, Lucas da Silva</i>	Computational Models of Overhead Contact Lines for Pantograph-Catenary Contact Dynamics <i>Jorge Ambrosio, Pedro Antunes</i>
A Geometrically-Exact Triangular Shell Element Based on Rodrigues Rotation Parameters, <i>Maximilian Vorwerk, Cinthia A. G. Sousa, Paulo M. Pimenta, Jörg Schröder</i>	Chance Constraint Optimization in Gas Transport <i>Jens Lang</i>
Misalignment Detection in Large Segmented Telescope Primary Mirrors Using Structural Health Monitoring and Modal Analysis, <i>Sam Ndumo, Isaac Setshedi</i>	Uncertainty Quantification in Patient-Specific Cardiovascular CFD: A Global Sensitivity Study on the Lengau Cluster <i>Vincent M M Punabantu, Amit Kumar Mishra, Malebogo Ngoepe</i>
Explicit Multi-Time Step Solver Using Mortar Coupling for the Simulation of Non-Linear Dynamic Buckling of Thin-Shell Structures, <i>M. Brun, A-K Chau, P. Ventura, H. Zahrouni, M. Potier-Ferry</i>	Quasi-Optimal Mesh Generation Using the Virtual Element Method: A Fully Adaptive Remeshing Procedure <i>Daniel van Huyssteen, Felipe Lopez Rivarola, Guillermo Etse, Paul Steinman</i>
Investigation of the Impact of Form Deviations in a Bidirectional Piezoelectric Motor, <i>D. Juhre, P. Marter</i>	The Gradient Engine: From Scaling Laws to Cross-Fidelity Learning in Surrogate Construction, <i>Daniel N. Wilke</i>
Review of Digital Image Correlation-Enabled Validation of Dynamic Finite Element Models for WIND Turbine Blades Within Structural Mechanics and Dynamics <i>Wilfried Barros, Harry Ngwangwa, Thanyani Pandelani</i>	

Closing Function 17:30 - 18:00