Gecko
Design for IGA-type discretization workflows

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AGENDA E9 - MS10:

Scientific results

Date: **Day 1, Tuesday, November 3**

Venue: **BETA - CAE and online:**

https://authgr.zoom.us/j/92463649313?pwd=Y0pBazM0bVBYdyt0VVlCNkV2cnp3UT09

Address: **Scholari, Thessaloniki, Greece (transfer will be provided by the organizer)**

Time	Topic	Presenter
09:00	**Welcome & Introduction**	Lambros Rorris/ Ioannis Chalkidis
09:30	DC1, CFD techniques for IBRA-type discretizations	Nicolò Antonelli
10:00	DC10, Implementation of IGA in the design and analysis workflow of machine elements and systems	Wei Li
10:30	DC3, Application of IBRA-type discretizations in implicit contact mechanics	Andrea Gorgi
11:00	**Coffee Break**	
11:15	DC2, IBRA-type discretizations in computational solid mechanics	Thomas Enrique Lillieskold
11:45	DC5, Large deformation structural elements (beams and shells) modelled with IBRA, including trimming and multiple coupled patches	Maram Alkhlaifat
12:15	DC4, Co-simulation strategies involving IBRA for solution of multi-field problems	Juan Ignacio Camarotti
12:45	**LUNCH**	
13:30	DC7, Immersed Isogeometric Analysis for Structural Dynamics	Angelos Pagonas
14:00	DC6, Mathematical tools for immersed IGA	Lucas Venta Viñuela
14:30	**Coffee Break**	
14:45	DC9, Model Order Reduction of coupled vibro-acoustic systems	Philip Le
15:15	DC8, Efficient unbounded acoustic analysis starting from CAD	Doğuhan Kılıçarslan
15:45	**GECKO's results: DCs Results / Updates**	
16:00	**END OF THE EVENT**	

DINNER in Thessaloniki

AGENDA E9 - MS10:

2nd Industrial Workshop &
2nd Public Industrial Course & Final public engagement

Date: **Day 2, Wednesday, November 4**

Venue: **School of Mechanical Engineering and online:**
https://authgr.zoom.us/j/92463649313?pwd=Y0pBazM0bVBYdyt0VVlCNkV2cnp3UT09

Aristotle University of Thessaloniki,
Faculty of Engineering, School of Mechanical Engineering
(University Campus, Building D, Ground floor)
https://maps.app.goo.gl/btbAS55z2HcqaEuv7

Time	Presentation
9:30	Prof. em. Athanassios Mihailidis, Aristotle University of Thessaloniki. **Welcome**
10:00 - 10:30	Dr. Ioannis Chalkidis, CADENCE, IGA Pre – Processing challenges.
10:30 - 11:00	Alejandro Cornejo Velázquez, PhD, Universitat Politècnica de Catalunya (UPC), International Centre for Numerical Methods in Engineering (CIMNE), Composites and Fatigue Modeling.
11:00 - 11:15	**Coffee Break**
11:15 - 12:00	Michelangelo Marsala. PhD, Inria Centre at Université Côte d'Azur INRIA, Smooth spline constructions on multipatch domains for modelling and simulation
12:00 - 13:00	Massimo Carraturo, PhD, University of Pavia, Department of Civil Engineering and Architecture, Structural Mechanics Division, Numerical methods for Additive Manufacturing processes.
13:00 - 14:30	**Lunch (near the Campus)**
14:30 - 15:15	Dr.-Ing. Lukas Leidinger, SYNOPSYS, IGA in LS-DYNA for Explicit Dynamic Applications.
15:15 - 15:30	**Coffee Break**
15:30 - 17:00	Donato D'Aprile, CAMELIA Technology, "From University to Industry: A Researcher's Journey into the World of an Academic Spin-Off".