

ICSAAM 2026

- <https://icsaam2026.uop.gr/>
- 6-10 Sep. 2026
- CITY of Kalamata, GREECE
- DETAILED PROGRAM

Under the auspices of the



ICSAAM 2026 Short Program

- Sep. 6-10, 2026
- Kalamata, Greece

ICSAAM 2026 SHORT PROGRAM				
Sunday 6 Sep.2026				
20:00 pm Reception Party at the Nautical Club of Kalamata "Poseidon"				
TIME	MONDAY 7 Sep.2026	TUESDAY 8 Sep.2026	WEDNESDAY 9 Sep.2026	THURSDAY 10 Sep.2026
9.00-17.00	Conference Registration Desk Opening Hours			
	SESSION 1	SESSION 5	SESSION 8	SESSION 12
9.00-9.30	OPENING	PL3	PL6	PL9
9.30-10.00	PL1	PL4	PL7	PL10
10.00-10.30	PL2	PL5	PL8	PL11
10.30-11.00	COFFEE BREAK			PL12
	SESSION 2	SESSION 6	SESSION 9	CLOSING
11.00-11.20	KNL1	KNL5	KNL7	CONCLUDING REMARKS AND NEXT ICSAAM PRESENTATION
11.20-11.35	L1	L11	L18	
11.35-11.50	L2	L12	L29	
11.50-12.05	L3	L13	L20	
12.05-12.30	RT1	RT2	POSTER SESSION I	END OF THE CONFERENCE
12.30-14.00	LUNCH BREAK			
	SESSION 3	SESSION 7	SESSION 10	
14.00-14.20	KNL2	KNL6	KNL8	
14.20-14.35	L4	L14	L21	
14.35-14.50	L5	L15	L22	
14.50-15.05	L6	L16	L23	
15.05-15.20	L7	L17	L24	
15.20-16.00	COFFEE BREAK			
	SESSION 4	16.00-20.00 EXCURSION TO ANCIENT MESSENE	SESSION 11	
16.00-16.20	KNL3		KNL9	
16.20-16.40	KNL4		KNL10	
16.40-16.55	L8		L25	
16.55-17.10	L9		L26	
17.10-17.25	L10		L27	
17.25-17.55			POSTER SESSION II	
14.00-16.00	SUMMER SCHOOL HALL B	SUMMER SCHOOL HALL B	SUMMER SCHOOL HALL B	
20.00-24.00			DINNER	

PL = 30MIN PLENARY LECTURE, KNL = 20MIN KEYNOTE LECTURE, L = 15MIN ORAL PRESENTATION

RT = ROUND TABLE PRESENTATION AND DISCUSSION

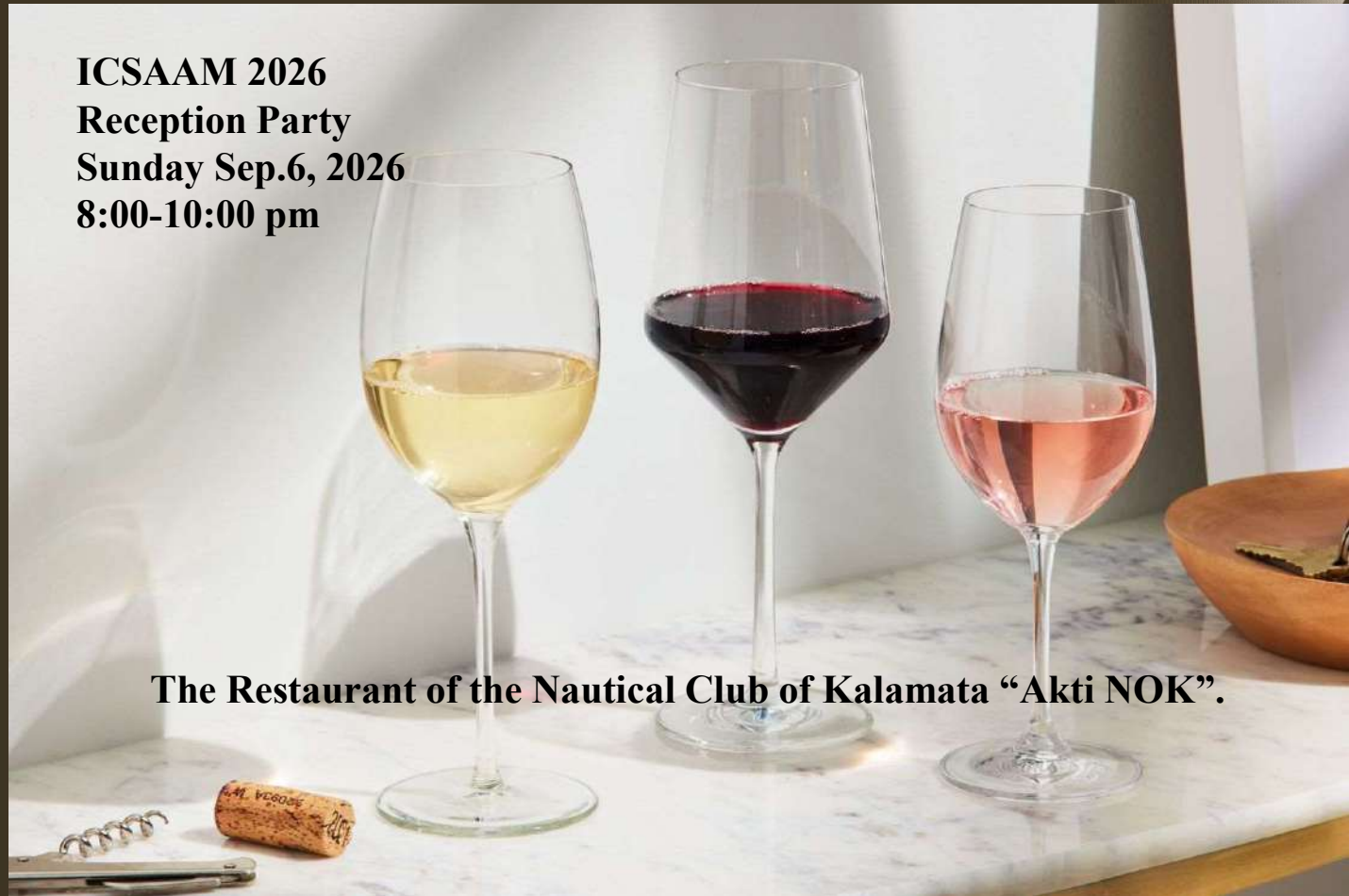
ICSAAM 2026

- Sunday Sep.6, 2026
- 8:00 – 10:00pm
- Reception Party
- Location:

The Restaurant of the Nautical Club of Kalamata “Akti NOK”.

The Conference Reception is included in your fee.

**ICSAAM 2026
Reception Party
Sunday Sep.6, 2026
8:00-10:00 pm**



The Restaurant of the Nautical Club of Kalamata “Akti NOK”.

ICSAAM 2026

Reception Party

Sunday, Sep.6, 2026

8:00 – 10:00pm

Location: The Restaurant of the Nautical Club of Kalamata “Akti NOK”.

Join us at our **ICSAAM 2026 Reception Party** for an evening of Greek wines and cuisine at the the Restaurant of the Nautical Club of Kalamata “Akti NOK”.

We look forward to welcoming all participants, colleagues and friends coming from several different countries of the world.

Dress code: Casual

Date: Sunday, Sep. 6th, 2026

Start time: 20.00.

Location: The Restaurant of the Nautical Club of Kalamata “Akti NOK”.

Please note: The Conference Reception is included in your fee.

For additional information: <https://aktinok.gr>

ICSAAM 2026

- Monday Sep.7, 2026
- Detailed Program



Monday
7 Sep. 2026

ICSAAM 2026 OPENING CEREMONY

9.00-9.30

Pharae Palace Hotel (Hall A)

9.00-9.15

Welcome speech from the co-chairs of ICSAAM 2026 and representatives

Professor **J. KAPOLOS**, Chairman of ICSAAM 2026, University of Peloponnese, Greece
Professor **G.C. PAPANICOLAOU**, Co-Chairman of ICSAAM 2026, Univ. of Patras, Greece
Professor **A.T. MARQUES**, Chairman of ICSAAM 2027, University of Porto, Portugal
Professor **R.M. GUEDES**, Co-Chairman of ICSAAM 2027, University of Porto, Portugal
Professor **G. JIGA**, Chairman of ICSAAM 2025, Politecnica of Bucharest, Romania
Professor **V. DRAKONAKIS**, Chairman of ICSAAM 2024, Amadema, Cyprus
Professor **D. MOUZAKIS**, Chairman of ICSAAM 2023,

9.15-9.20

Greetings from ICSAAM 2026 ISC Leaders:

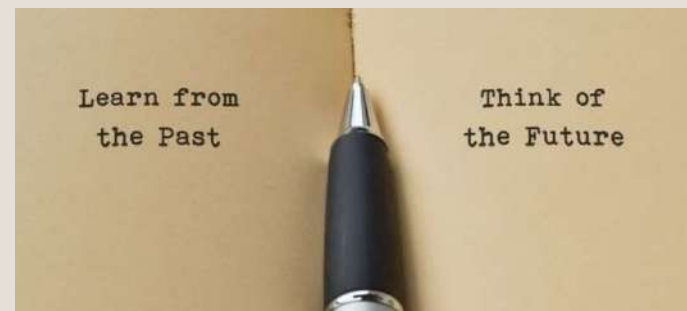
Professor **C. SOUTIS**, ISC Leader of ICSAAM 2026, University of Manchester, UK
Professor **J. BOTSIS**, ISC Leader of ICSAAM 2026, EPFL, Switzerland

9.20-9.30

Greetings from the Greek Authorities

9.30

The official launch of ICSAAM 2026



Monday 7 Sep. 2026	SESSION 1 ICSAAM 2026 Opening Plenary Lectures
Session 1 Co-Chairs	Antonio Torres Marques, Faculty of Engineering, University of Porto, s/n, R. Dr. Roberto Frias, Porto, Portugal Associated Laboratory of Energy, Transports and Aeronautics, Porto, Portugal Danny Van Hemelrijck, Professor, Mechanics of Materials and Constructions, VUB, Belgium
9.30-10.00	PL1: Costas Soutis, Professor Emeritus of Aerospace and Materials Engineering, PhD (Cantab), FREng, Co-Founder and Director at Manchester Robotics Ltd, University of Manchester, U.K <i>“AI Assisted Composites Design, Performance and Process Control”</i>
10.00-10.30	PL2: John Botsis, Professor Emeritus, Institute of Mechanical Engineering, School of Engineering, Ecole Polytechnique Federale de Lausanne, EPFL, Lausanne, Switzerland <i>“Experimental Results and Numerical Analysis on Anti-symmetric Laminates Under Mode II Fracture Loading”</i>
10.30-11.00	Coffee-Break

Monday 7 Sep. 2026	SESSION 2
SESSION 2 Co-Chairs	Theophanis Kitsopoulos, University of Southern Mississippi, School of Mathematics and Natural Sciences, USA. Sotiris Xantheas, Department of Chemistry, University of Washington, Seattle, WA 98195, USA; and Pacific Northwest National Laboratory, PO Box 999, MS J7-10, Richland, WA 99352, USA
11.00-11.20	KNL1: Dimitris Alexandropoulos, Department of Materials Science, University of Patras, Greece, Industrial Systems Institute, Research Centre ATHENA, Greece. <i>“Laser-Written Optical Physical Unclonable Functions for Scalable Anti-Counterfeiting”</i>
11.20-11.35	L1: Andreea-Denisa Griguța, Department of Mechanics, National University of Science and Technology POLITEHNICA Bucharest, Romania. <i>“Comparison of 3D and Axisymmetric COMSOL Models for Guided Wave Propagation”</i>
11.35-11.50	L2: Laura – Mariana Barbu, Department of Mechanics, National University of Science and Technology POLITEHNICA Bucharest, Romania. <i>“Dynamic Sensitivity Analysis of an Automotive Tailgate Mechanism Using a Simplified Nonlinear Mathematical Model”</i>
11.50-12.05	L3: Aurelian Ionescu, Gamma System Dep, ELI-NP, Magurele, Romania, <i>“Bridging Field Logic and Human Factors: Digital Twin Validation of PPS Search Sequences”</i>
12.05-12.30	RT1: Vicky D. Kefalas, Governing Board Member, European Institute of Innovation & Technology (EIT)Member, Investment Committee, Invest EU Fund, European Commission Ambassador & Former Member of the European Innovation Council (EIC), <i>“European Policy as a Market-shaping Force: Implications for the Demand and Financing of Advanced Materials”</i>
12.30-14.00	LUNCH BREAK

**Monday
7 Sep. 2026**

SESSION 3

SESSION 3 Co-Chairs

John Botsis, École Polytechnique Fédérale de Lausanne, (EPFL), Lausanne CH-1015, Switzerland

H. Daniel Wagner, Weizmann Institute of Science, Rehovot, Israel.

14.00-14.20

KNL2: Danny Van Hemelrijck, Research group Mechanics of Advanced Materials and Structures (M²S), Vrije Universiteit Brussel (VUB), Brussels, Belgium. *“Experimental Investigation of the Fracture Behaviour of Thermoplastic Composites and Over-molded Parts”*

14.20-14.35

L4: Harry N. Iordanou, Department of Engineering, Mechanical Engineering Program, University of Nicosia, Nicosia, Cyprus. *“A Novel Real-Time AI-Integrated Actuator for Above-Ground Pipeline Crack Detection and Production Quality Assurance”*.

14.35-14.50

L5: Panayiotis Tsokanas, Department of Materials Engineering, KU Leuven, Kasteelpark Arenberg 44 box 2450, 3001 Leuven, Belgium, and Department of Architecture, Built Environment and Construction Engineering, Politecnico di Milano, Milan, Italy. *“Three-dimensional Observation of Mode II Delamination Migration In Multidirectional Composites Using In Situ X-ray Computed Tomography”*

14.50-15.05

L6: Savas Assiotis, AmaDema – Advanced Materials Design & Manufacutring Ltd, Nicosia Cyprus. *“Separating Physical Mechanisms in Mode I CFRP Delamination: A Disciplined Finite-Element Validation”*

15.05-15.20

L7: Damien Leduc, Laboratoire Ondes et Milieux Complexes (LOMC), CNRS UMR 6294, University Le Havre Normandy, Le Havre, France. *«Assessment of Seawater aging and Interlaminar Bonding in Composite Materials Using Ultrasonic Guided Waves and Acoustic Microscopy”*

15.20-16.00

Coffee-Break

Monday 7 Sep. 2026	SESSION 4
SESSION 4 Co-Chairs	Aron Gabor, Université Lyon 1, Laboratory of Composite Materials for Construction – LMC2, 69100 Villeurbanne, France. Rui Miranda Guedes, INEGI-LAETA, Department of Mechanical Engineering, Faculty of Engineering, University of Porto, 4200-465 Porto, Portugal.
16.00-16.20	KNL3: Edward D. McCarthy, FastBlade Fatigue Test Facility, Institute for Materials and Processes, School of Engineering, The University of Edinburgh, Scotland. <i>“Recent Research on Fatigue Performance of Composite Tidal Stream Energy Blades at the FASTBLADE Structural Test Facility, Scotland”</i>.
16.20-16.40	KNL4: Alkiviadis S. Paipetis, Composite and Smart Materials Laboratory, Department of Materials Science and Engineering, University of Ioannina, Ioannina, Greece. <i>“The Evolution of Composite Thermoelectric Generators: From Energy Harvesting to Multifunctional Self-Powered Systems”</i>.
16.40-16.55	L8: Francesca-Rosemarie Zgreabăn, Faculty of Industrial Engineering and Robotics, National University of Science and Technology POLITEHNICA Bucharest, Bucharest, Romania. <i>“Smart Armor 2.0: GFRP Impact Protection Using Encapsulated Shear-thickening Fluids”</i>
16.55-17.10	L9: Maria Xenidou, Composite and Smart Materials Laboratory, Department of Materials Science and Engineering, University of Ioannina, Greece. <i>“Strain Field Resolution and Signal Integrity of Embedded Distributed Fiber Optic Sensing in Composite Materials”</i>.
	END OF SESSION

**Monday
7 Sep. 2026**

SUMMER SCHOOL SEMINAR 1 Hall B

SPEAKER

George Papanicolaou: Professor Emeritus, Department of Mechanical Engineering and Aeronautics, University of Patras, Greece

14.00-16.00

“ Introduction to Viscoelasticity”

Participants wishing to attend the Summer School seminars are kindly requested to register in advance. Participation is free of charge for all ICSAAM 2026 participants.

An official Certificate of Participation will be awarded to participants who attend all three seminars upon completion of the Summer School series.



ICSAAM 2026

- Tuesday Sep.8, 2026
- Detailed Program



Tuesday 8 Sep. 2026	SESSION 5 PLENARY LECTURES
Session 5 Co-Chairs	Costas Soutis, Professor Emeritus of Aerospace and Materials Engineering, PhD (Cantab), FREng, Co-Founder and Director at Manchester Robotics Ltd, University of Manchester, U.K Gad Marom, Professor Emeritus, The Hebrew University of Jerusalem, Israel.
9.00-9.30	PL3: Aron Gabor, Université Lyon 1, Laboratory of Composite Materials for Construction – LMC2, 69100 Villeurbanne, France, “<i>Hybrid Multi-Material Structures for Sustainable Construction: From Interfaces to Structural Systems</i>”.
9.30-10.00	PL4: Rui Miranda Guedes, INEGI-LAETA, Department of Mechanical Engineering, Faculty of Engineering, University of Porto, 4200-465 Porto, Portugal. “<i>Stepped Iso-strain Methodology (SIM): An Alternative to Accelerate Stress Relaxation Tests</i>”.
10.00-10.30	PL5: Kalliopi-Artemi Kalteremidou, Department of Mechanics of Materials and Constructions (MeMC), Research group Mechanics of Advanced Materials and Structures (M²S), Vrije Universiteit Brussel (VUB), Pleinlaan 2, 1050 Brussels, Belgium. “<i>Advancing Thermostamping of Flax/PP Composites: An Integrated Experimental and Numerical Study</i>”
10.30-11.00	Coffee-Break

Tuesday 8 Sep. 2026	SESSION 6
SESSION 6 Co-Chairs	Tatjana Glaskova-Kuzmina , Institute for Mechanics of Materials, University of Latvia, Jelgavas 3, LV-1004, Riga, Latvia. Kalliopi-Artemi Kalteremidou , Department of Mechanics of Materials and Constructions (MeMC), Research group Mechanics of Advanced Materials and Structures (M ² S), Vrije Universiteit Brussel (VUB), Pleinlaan 2, 1050 Brussels, Belgium.
11.00-11.20	KNL5: Nektaria-Marianthi Barkoula , Composite and Smart Materials Laboratory (CSML), Department of Materials Science and Eng., University of Ioannina, Greece. <i>“Environmental Reliability of Vitrimer Systems: From Physical Aging to Permanent Chemical Change”</i>
11.20-11.35	L10: Olesja Starkova , University of Latvia, Institute for Mechanics of Materials, Riga, Latvia. <i>“Ageing of Bio-based Epoxy Basalt Fiber Composites in Acidic And Alkaline Environments: Linking Constituent Degradation to Composite Performance”</i>
11.35-11.50	L11: Dimitrios Fakis , Department of Materials Science and Engineering, University of Ioannina, Greece. <i>“Fabrication of Toroidal Propellers Using Vitrimer Composites and Embedded Sensing for Light Aircraft Applications: Insights from the Torpropel Project”</i>
11.50-12.05	L12: Evgenia Kollia , Department of Mechanical Engineering and Aeronautics, University of Patras, Greece. <i>“Flexural Stress Relaxation Behavior of a Glass Fiber-epoxy Composite Subjected to Thermal Shock Cycling”</i>
12.05-12.30	RT2: Catherine (Corina) G. Papanicolaou , Civil Engineering Department, Structures Division Structural Materials Lab FireUP Unit, University of Patras, Greece. <i>“Presentation of the ‘FireUP’ Fire Testing Facility of the University of Patras”.</i>
12.30-14.00	LUNCH BREAK

**Tuesday
8 Sep. 2026**

SESSION 7

**SESSION 7
Co-Chairs**

Edward D. McCarthy, FastBlade Fatigue Test Facility, Institute for Materials and Processes, School of Engineering, The University of Edinburgh, Scotland.

Claus Rebholz, Department of Mechanical & Manufacturing Engineering, University of Cyprus, Nicosia, Cyprus.

14.00-14.20

KNL6: Tatjana Glaskova-Kuzmina, Institute for Mechanics of Materials, University of Latvia, Jelgavas 3, LV-1004, Riga, Latvia, *“Hydrothermal Ageing of Basalt Fibre-reinforced Bio-based Epoxy Composites Modified With Montmorillonite”*

14.20-14.35

L13: Ioannis Ioannou, AMDM (Advance Material Design and Manufacturing), Cyprus, *“Degree-of-Cure and DSC Characterization of an Ionic-Liquid-Modified Epoxy for Structural Supercapacitor Applications”*

14.35-14.50

L14: Gabriel Jiga, Department of Strength of Materials, National University of Science and Technology POLITEHNICA Bucharest, Faculty of Industrial Engineering and Robotics, Bucharest, Romania. *“Impact of Wall Geometry on Structural Performance of 3d-printed Accommodation Units”*

14.50-15.05

L15: Diana V. Portan, Laboratory of Biomechanics and Biomedical Engineering, Department of Mechanical Engineering and Aeronautics, University of Patras, Patras, Greece. *“Balancing Biomimetic Features, Mechanical Performance and Biological Functionality in 3D-Printed PLA Scaffolds”*

15.05-15.20

L16: Lykourgos Kontaxis, Department of Mechanical Engineering and Aeronautics, University of Patras, Greece. *“Accelerated Curing of Epoxy Flooring Systems via Embedded Resistance Heating”*.

15.20-16.00

Coffee-Break

**Tuesday
8 Sep. 2026**

SUMMER SCHOOL SEMINAR 2 Hall B

SPEAKER

Rui Miranda Guedes: Professor, INEGI-LAETA, Department of Mechanical Engineering, Faculty of Engineering, University of Porto, Portugal.

14.00-16.00

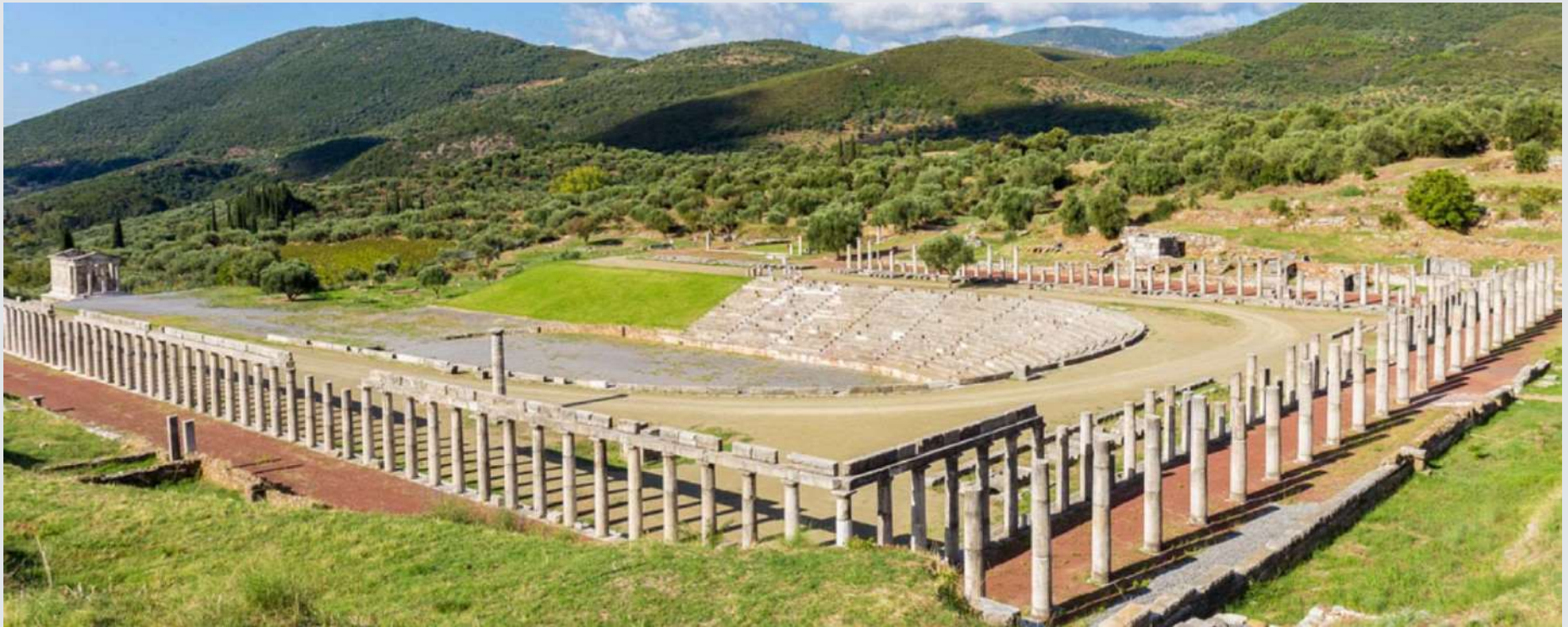
“Superposition Techniques”

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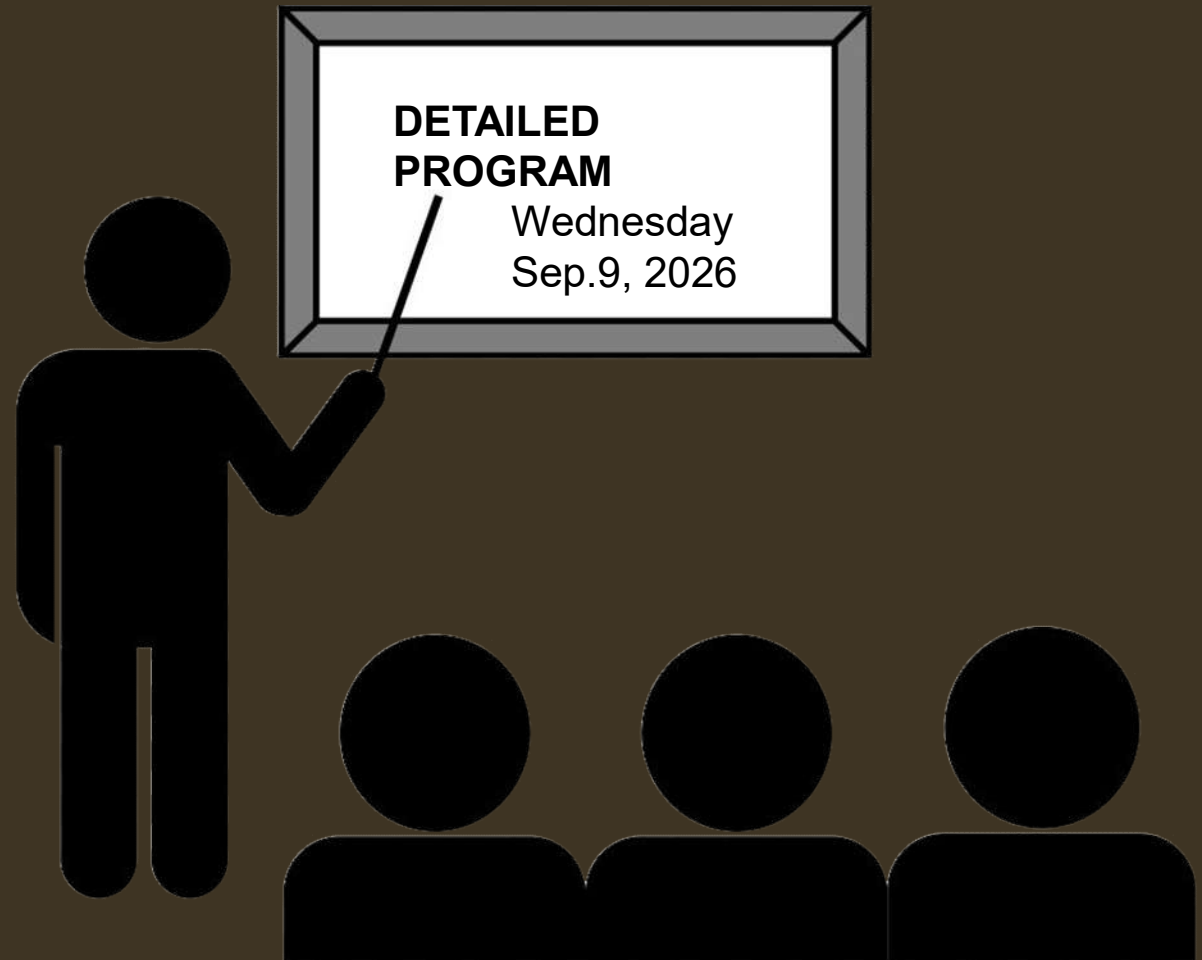


Tuesday 8 Sep. 2026
16.00-20.00 hrs
Excursion to Ancient Messene



ICSAAM 2026

- Wednesday Sep.9, 2026
- Detailed Program



Wednesday 9 Sep. 2026	SESSION 8 PLENARY LECTURES
Session 8 Co-Chairs	Nektaria-Marianthi Barkoula, Composite and Smart Materials Laboratory (CSML), Department of Materials Science and Eng., University of Ioannina. Dionysios E. Mouzakis, Hellenic Army Academy, Vari – Attika, Greece. Dean, Hellenic Non-Commissioned Officers Academy, Trikala, Greece. Laboratory for Mechanics and Defence Applications (LAMDA),
9.00-9.30	PL6: Theofanis Kitsopoulos, University of Southern Mississippi, School of Mathematics and Natural Sciences, USA. <i>“Velocity Map Imaging and Microscopy for Probing the Reactivity of Active Sites on Surfaces”</i>.
9.30-10.00	PL7: Antonio Tores Marques, Faculty of Engineering, University of Porto, s/n, R. Dr. Roberto Frias, Porto, Portugal, and Associated Laboratory of Energy, Transports and Aeronautics, Campus da FEUP, Porto, Portugal, <i>“Product Enabled Carbon Capture and Storage Concept (PECCS): The Role in Regenerative Manufacturing of Composite Materials”</i>.
10.00-10.30	PL8: Dionysios E. Mouzakis, Hellenic Army Academy, Vari – Attika, Greece. Dean, Hellenic Non-Commissioned Officers Academy, Trikala, Greece. Laboratory for Mechanics and Defence Applications (LAMDA), <i>“Brain Economy in Modern Engineering and Defence Applications: From Advanced Materials to Cognitive Resilience”</i>.
10:30-11:00	Coffee-Break

Wednesday 9 Sep. 2026	SESSION 9
SESSION 9 Co-Chairs	Olesja Starkova, University of Latvia, Institute for Mechanics of Materials, Riga, Latvia. Konstantinos Tserpes, Laboratory of Technology and Strength of Materials, Department of Mechanical Engineering and Aeronautics, University of Patras, Greece.
11.00-11.20	KNL7: Konstantinos Tserpes , Laboratory of Technology and Strength of Materials, Department of Mechanical Engineering and Aeronautics, University of Patras, Greece. <i>“Sustainability-driven Circularity in Composite Materials and Structures: From Recycled Carbon Fibers to Load-bearing Components”</i>
11.20-11.35	L17: Maria Vlacha , Composite and Smart Materials Laboratory, Department of Materials Science and Engineering, University of Ioannina, Greece. <i>“Electromagnetic and Fracture Response of Epoxy Matrices Modified with Carbon Nanofillers”</i>
11.35-11.50	L18: Gregory N. Petropoulos , Department of Mechanical Engineering and Aeronautics, University of Patras, Patras University Campus, Patras, Greece. <i>“Strength and Interfacial Integrity of H₂O₂-recycled Glass and Carbon Fibres”</i>
11.50-12.05	L19: Marios Constantinou , Department of Engineering, Mechanical Engineering Program, University of Nicosia, Cyprus; Research Unit for Nanostructured Materials Systems, Department of Mechanical Engineering and Materials Science and Engineering, Cyprus University of Technology, Lemesos, Cyprus. <i>“Carbon Aerogels Derived from Pyrolyzed Melamine Foam for Oil Spill Sorption from Seawater”</i> .
12.05-12.30	RAPID FIRE POSTER SESSION I
12.30-14.00	LUNCH BREAK

Wednesday 9 Sep. 2026
12:05-12:30
RAPID-FIRE POSTER SESSION
HALL A

Rapid-Fire Presentations: The Rapid-Fire Presentation format is an exciting oral presentation style. You have three-five minutes to present your paper (no longer than five minutes), followed by two minutes for Q&A. Irrespective of how complex your research, you can do this in the allotted time.

When creating a five-minute presentation, plan to present a slide per minute. The five slides, in order, include a Title/Author/Affiliation slide, an Outline slide, a Problem Description/Motivation slide, a Proposed Approach/Alternative slide, and a Summary/Conclusion slide. The title slide names your presentation.

Wednesday 9 Sep. 2026 Co-Chairs	Rapid Fire Poster Session I Gabriel Jiga, Department of Strength of Materials, National University of Science and Technology POLITEHNICA Bucharest, Faculty of Industrial Engineering and Robotics, Bucharest, Romania. Lykourgos Kontaxis, Department of mechanical Engineering and Aeronautics, University of Patras, Greece.
12.05 – 12.10	P1: Miruna Ciolcă , Faculty of Industrial Engineering and Robotics, Strength of Materials Department, Bucharest, Romania, <i>“Kinematic and Numerical Modeling of an Articulated Mechanical Module for Hand Prosthesis”</i>
12.10-12.15	P2: Gabriel Jiga , Department of Strength of Materials, National University of Science and Technology POLITEHNICA Bucharest, Faculty of Industrial Engineering and Robotics, Bucharest, Romania.” <i>Hydroxyapatite/Montmorillonite Nanocomposites for Lead Removal from Aqueous Solutions”</i>
12.15-12.20	P3: Emil Nuțu , Department of Strength of Materials, National University of Science and Technology POLITEHNICA Bucharest, Faculty of Industrial Engineering and Robotics, Bucharest, Romania, and Romanian Research and Development Institute for Gas Turbines COMOTI, Bucharest, Romania, <i>“Fatigue Risk Ranking of Five Tissue-level Dental Implant Configurations: A Singularity-tolerant Fe Screening”</i>
12.20-12.25	P4: Lambros Farmakis , Department of Food Science and Technology, University of the Peloponnese, Kalamata, Greece. <i>“Edible Coatings Based on Hydrocolloids from Plant Tissues as Food Preservatives “</i>
12.25-12.30	P5: Konstantinos Papadimitriou , Laboratory of Food Quality Control and Hygiene, Department of Food Science and Human Nutrition, Agricultural University of Athens, Greece. <i>“The Role of Natural Antimicrobials in Active Food Packaging”</i> .
12.30-12.35	P6: Dimitra Giannopoulou , Department of Chemistry, University of Patras, Patras,Greece. <i>“Investigation of the Effect of Different Vegetable Oils On the Stability of Nanoemulsions in the Presence and Absence of Nisin and Limonene”</i>
12.35-14.00	LUNCH BREAK

**Wednesday
9 Sep. 2026**

SESSION 10

**SESSION 10
Co-Chairs**

Charalabos C. Doumanidis, AmaDema – Advanced Materials Design & Manufacturing Ltd, Nicosia Cyprus

Dimitris Kouzoudis, Department of Chemical Engineering, University of Patras, Greece. .

14.00-14.20

KNL8: Mihai Valentin Predoi, Dept.of Mechanics, National University of Science and Technology POLITEHNICA Bucharest, Romania. *“Dispersion Curves for Ultrasonic Guided Waves Determined Using the Semi-analytical Finite Elements Method”*.

14.20-14.35

L20: Gheorghe Floroiu, Dept.of Mechanics, National University of Science and Technology POLITEHNICA Bucharest, Bucharest, Romania. *“Preliminary Study on Nonlinear Rotor Dynamics”*

14.35-14.50

L21: Costel Emil Cotet, Robots and Production Systems Dep., National University of Science and Technology POLITEHNICA Bucharest, Romania. *“Enhancing Food Production Efficiency with Digital Twin-Based Bottleneck Analysis”*

14.50-15.05

L22: Dimitris Kouzoudis, Department of Chemical Engineering, University of Patras, Greece. *“Use of Magnetoelastic Amorphous Materials for Vibration-based Structural Health Monitoring Sensors of Concrete Structures”*

15.05-15.20

L23: Charalabos C. Doumanidis, AmaDema – Advanced Materials Design & Manufacturing Ltd, Nicosia Cyprus. *“Ball Milling: Thermal Modeling and Adaptive Control”*.

15.20-16.00

Coffee-Break

Wednesday 9 Sep. 2026	SESSION 11
SESSION 11 Co-Chairs	Giorgio De Pasquale , Smart Structures and Systems Lab, Politecnico di Torino, Torino, Italy. Elias Yfantis , University of Nicosia, Department of Engineering, Nicosia, Cyprus.
16.00-16.20	KNL9: H. Daniel Wagner , Weizmann Institute of Science, Rehovot, Israel. <i>“Inspirational Multiscale Natural Composites”</i>
16.20-16.40	KNL10: Claus Rebholz , Department of Mechanical & Manufacturing Engineering, University of Cyprus, Nicosia, Cyprus. <i>“Building with Waste: Sustainable Thermal Insulating Mortars from Recycled Rigid Foams”</i>
16.40-16.55	L24: Constantina Moullotou , AmaDema – Advanced Materials Design & Manufacturing Ltd, Nicosia Cyprus <i>“Lost Material Technologies of Antiquity? Reinterpreting Ancient Engineering Through Modern Materials Science”</i>
16.55-17.10	L25: Ioanna Savva , AmaDema – Advanced Materials Design & Manufacturing Ltd, Nicosia, Cyprus. <i>“Design and Development of Functional Electrospun Nanofibrous Systems for Personal Care Applications”</i>
17.10-17.25	L26: Sebastian Pasere , Advanced Materials Design & Manufacturing Ltd (AmaDema), Nicosia, Cyprus. <i>“Validation of Ansys ACP Draping for two Carbon Fabrics on a Double-dome Mould”</i>

Wednesday
9 Sep. 2026
Co-Chairs

Rapid Fire Poster Session II

Athanasia Koliadima, Department of Chemistry, University of Patras, 26504 Patras, Greece

Vasilios S. Melissas, Department of Chemistry, University of Ioannina, Ioannina, Greece

17.25 – 17.30

P7: Liliana Ghegoiu, Department of Mechanics, National University of Science and Technology Politehnica Bucharest, Bucharest, Romania, and National Institute of Materials Physics, Magurele, Romania, “*Nanocomposites for the Zinc Absorption from Aqueous Solution*”

17.30-17.35

P8: Vasilios S. Melissas, Department of Chemistry, University of Ioannina, Ioannina, Greece, “*Quantum mechanical Study of the GO Oxidation Mechanism*”.

17.35-17.40

P9: Athanasia Koliadima, Department of Chemistry, University of Patras, 26504 Patras, Greece.

“*Development of Nature-based Layered Nanosystems as Potential Antibiotic Agents*”.

17.40-17.45

P10: Angela S. Kaloudi, Department of Materials Science and Engineering, University of Ioannina, Greece.

“*Synthesis and Characterization of Lanthanum Synthetic Clay Analogues as Potential Antibiotic Agents*”.

17.45-17.50

P11: Matei-Alexandru Chiriță, University of Science and Technology POLITEHNICA of Bucharest, Faculty of Industrial Engineering and Robotics, Bucharest, Romania.

” *Plastic Material Influence Over the Geometrical Characteristics of the Flex Spline from the Strain Wave Generator*”.

17.50-17.55

P12: Constantinos Pappas, University of Science and Technology POLITEHNICA of Bucharest, Faculty of Industrial Engineering and Robotics, Bucharest, Romania.

“ *DSC and SEM Characterization of 3D-Printed PLA-Wood Particle Composites Subjected to Thermal Shock Cycling*”.

18.00

END OF SESSION

**Wednesday
9 Sep. 2026**

SUMMER SCHOOL SEMINAR 3 Hall B

SPEAKER

Dr. Lykourgos Kontaxis: Department of Mechanical Engineering and Aeronautics, University of Patras, Greece

14.00-16.00

“Viscoelastic Behavior of Green Polymers and Composites”

Participants wishing to attend the Summer School seminars are kindly requested to register in advance. Participation is free of charge for all ICSAAM 2026 participants.

An official Certificate of Participation will be awarded to participants who attend all three seminars upon completion of the Summer School series.



Wednesday 9 Sep. 2026
ICSAAM 2026 Gala Dinner
“Trilogia” Restaurant in Kalamata, 20.00 hrs

Address: Navarinou and Anoixeos Street.
The Gala Dinner is included in your fee

A seaside restaurant gala dinner shifts the atmosphere toward a sophisticated, coastal aesthetic that blends academic prestige with Mediterranean or maritime elegance. The ocean backdrop acts as a natural icebreaker, creating a refreshing, memorable environment for professors and PhD students to connect outside the lecture hall.



ICSAAM 2026

- Thursday Sep.10, 2026
- Detailed Program



Thursday 10 Sep. 2026	SESSION 12 PLENARY LECTURES
Session 12 Co-Chairs	Vassilis Drakonakis , AmaDema – Advanced Materials Design & Manufacturing Ltd, Nicosia Cyprus. Costel Emil Cotet , Robots and Production Systems Dep., National University of Science and Technology POLITEHNICA Bucharest, Romania.
9.00-9.30	PL9: Giorgio De Pasquale , Smart Structures and Systems Lab, Politecnico di Torino, Torino, Italy. <i>“Multimaterial Interface Design and Validation for the Next Generation of Aerostructures”</i> .
9.30-10.00	PL10: Elias Yfantis , University of Nicosia, Department of Engineering, Nicosia, Cyprus. <i>“Exploring the Spectrum of Biofuels for Maritime Sustainability”</i> .
10.00-10.30	PL11: Sotiris Xantheas , Department of Chemistry, University of Washington, Seattle, WA 98195, USA; and Pacific Northwest National Laboratory, PO Box 999, MS J7-10, Richland, WA 99352, USA <i>“Design of Heavy Atom-free Upconversion Materials”</i>
10.30-11.00	PL12: Vassilis Drakonakis , AmaDema – Advanced Materials Design & Manufacturing Ltd. Nicosia, Cyprus. <i>“Multifunctional Composite Materials Enabled by Polymer Nanofibers: From Laboratory to Market”</i> .
11.00-12.00	CLOSING CEREMONY

CLOSING CEREMONY

Thursday 10 Sep. 2026

11:00-12:00pm.

- 11:00-11:15** **Speeches delivered by ICSAAM 2026 Co-chairmen**
- 11:15-11:30** **Announcement of Best Young Scientists & Honorable Mention Awards**
- 11:30-11:45** **Announcement of the next ICSAAM Conference**
- 11:45-12:00** **Speech delivered by the next ICSAAM Conference Chairman**
- 12:00** **Conference is Declared Closed**

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Emergency Numbers for Kalamata & Greece

The general emergency numbers listed below operate 24/7 across Greece, including Kalamata and Zakynthos:

112: Universal European Emergency Number (multilingual operators for police, fire, or ambulance).

100: Hellenic Police (emergency dispatch center).

166: National Medical Ambulance Service (EKAB).

199: Fire Department (fire and rescue).

171: Tourist Police (English-friendly assistance for travel disputes or lost items).

1025: Moreas Motorway Emergency Number (if driving the toll highway between Athens and Kalamata)



Thank you so much!!!

**To all Attendees, Presenters, Exhibitors & Partners for your
extraordinary contributions !!!**

See you next year at ICSAAM 2027

