15th FORTH SCIENTIFIC RETREAT

October 9-11, 2026

Innovation and Advanced Education Hub, Heraklion, Crete

Friday, October 9, 2026

09:00 – 09:30	***FORTH Retreat Registration & Choose your Parallel Session***	**New Auditorium**
09:30 – 10:00	**Opening Session**	
	Welcome – Opening Remarks **Dr. Yiannis Kamarianakis**, IACM Research Director Chair of the 15th FORTH Retreat Organizing Committee	
	President's Address **Prof. Vassilis Charmandaris**, Chairman of FORTH Board of Directors	
10.00 – ~11.30	**POSTER SESSION I (27)**	**New Auditorium**
	Poster Pitching Presentations ***"Gone in 150 sec"*** *Chair: Michalis Kotsyfakis, IMBB Principal Researcher* **SCIENTIFIC AREA: Nanotechnology/Materials/Microelectronics** 1. **N1** From Electronic Skin to Soft Robots, **Thaleia-Michaela Chatzaki** 2. **N2** Modification of Surfaces towards Superhydrophobicity and Water-Repellency, **Franceska Gojda** 3. **N5** Pathways to Complex Nanostructure Formation Utilizing Thin-Film Properties, **Yi Wang** 4. **N8** Amino Acid-Based Ionic Liquids (AAILs) for CO2 Assimilation in Industrial Anaerobic Bioprocesses, **D. Vroulias** 5. **N9** Designed biomaterials for tumor-on-chip applications, **Elena Gkantzou** 6. **N10** Laser-Assisted Decomposition of Silicon Carbide for Binder-Free Li-ion Anodes, **Natalia Kantouni** 7. **D.N15** Digital reconstructions and transport simulations to improve design of nanomaterials in energy and biomedicine **Panagiota Polydoropoulou** 8. **SyG4**: Development and Characterization of Polymeric Membranes as Aerosol pH Indicators, **N. Mathioudakis** **SCIENTIFIC AREA: Humanities** 9. **H1** Exploring strategies to enhance Deep ERT survey performance, **Eleni Tzima** 10. **H2** Shallow marine FD-EMI synthetic modeling: Preliminary results, **Angelos Plageras** 11. **H4** The Bureaucracy of Belonging: Autochthons, Refugees, Foreigners and the State in the Late Ottoman Empire, İsmail **Keskin** 12. **H5** The Criminal Activities of the Legal Merchants, **Ekin Mahmuzlu** 13. **H6** Integrating Landscape Character, Artificial Intelligence and Participation: A Multi-Method Framework for Western Crete, **Georgios Lampropoulos** 14. **H8** The Greek occupation apparatus in Macedonia during the Balkan Wars of 1912-1913, **Kostas Fradellos** **SCIENTIFIC AREA: Mathematical Methods/Informatics/AI/Robotics** 15. **M2** Exploiting the Power of HPC, **Eleni Kanellou** 16. **M4** CeusReport: A Semi-Quantitative Contrast-Enhanced Ultrasound Tool for Breast Neoplasm Characterization, **Ioannis Stefanis**	

	17. **M6** Are Safety Guarantees in Neural Networks Safe? **Merkouris Papamichail, Konstantinos Varsos** 18. **M7** Transportability Without Graphs: A Bayesian Approach to Identifying s-Admissible Backdoor Sets, **Konstantina Lelova** 19. **M9** ARC- Aerial Reconnaissance & Classification, **M. Giannoulis** and **G. Tzagkarakis** 20. **M11** Interconnected Smart Cities for Greece 2.0: From Fragmented Deployments to an Interoperable National Urban Data Infrastructure, **A. Leonidis and S. Papadakis** 21. **M12** Comparison of urban surface temperatures derived from in-situ and satellite TIR data with modeled 3D urban surface temperatures, **Maria Gkolemi** 22. **M13** Sat4GAIA. Greek National Satellite Space Project: Urban Analytics Services, **David Parastatidis** 23. **M14** Multi-scale Modelling of the Ligand Exchange Process, **Antony Chazirakis** 24. **M17** ResTick: Modeling Species Abundance with Subagging-Based Adaptive Shrinkage, **Eleni Dretaki** 25. **M18** NEMOTools: High-Accuracy Fish Species Identification Using Transfer Learning on Vision Foundational Models, **Eleni Dretaki** 26. **M19** Urban material mapping from space using the urbisphere Spectral Library, **Giannis Lantzanakis** 27. **M20** Computational Hemodynamics and Virtual Angiography in Cerebral Aneurysms, G**. Grammatikakis**	
11.30 – 12.30	**POSTER VIEWING *(& Coffee)***	**El. Economou Building**
Group Photo		**El. Economou Entrance**

12:30 – 14:30 LUNCH	**New Restaurant**

15:00 – 20:15	**A Day of Ancient Biomolecules**	**New Auditorium**
15:00-18:00	**IMBB International Symposium on Ancient DNA and Proteins** ***"Unfolding our History through Ancient Biomolecules"***	
Moderator **Speakers**	**Nena Galanidou**, Professor of prehistoric archaeology, University of Crete **Eirini Skourtanioti,** Junior group leader, IMBB-FORTH *Ancient human genomics and the population history of the Aegean* **Mehmet Somel,** Professor, Middle East Technical University, Ankara *Ancient human genomics and the population history of Anatolia* **Katerina Douka,** Associate Professor, University of Vienna, Vienna *Paleoproteomics of hominin fossil record and radiocarbon dating* **Pontus Skoglund,** Senior group leader, the Francis Crick Institute, London *Host-pathogen ancient genomics and dog domestication*	
18:00 – 19:00	**Refreshments**	**New Restaurant**
19:00-19:10	Word of welcome EMBL Head of Alumni Relations, **Mehrnoosh Rayner** FORTH President, **Vassilis Charmandaris** EMBC President; former FORTH President and IMBB Director, **Nektarios Tavernarakis** Heraklion Mayor, **Alexis Kalokairinos**	**New Auditorium**
19:10-19:15	**Introduction** Head of EMBL Genome Biology Eileen Furlong	
19:15-19:45	**2026 Kafatos Lecture** Nobel Laureate **Svante Pääbo** **A Neanderthal Perspective on Human Origins and Health:** How Ancient DNA is Revealing New Insights into Disease and Biology	
19:45-20:15	Q&A, with **Svante Pääbo** Moderated by EMBL Head of Science Education and Public Engagement **Briony Jackson**	
20:15 – 23:00	**Buffet & Party**	**New Building**

Saturday, October 10, 2026

09:30 – ~10:45	***RESEARCH HIGHLIGHTS* - SESSION I** *Chair: Nikolaos Kostoglou, IG Principal Researcher*	**New Auditorium**
	Vagelis Harmandaris, Director of IACM (10') *Advancing Mathematics, Modeling, Computation & AI* **Dimitra Nikoleri, PhD** Student, IMBB (3') *When interferon meets cholesterol: metabolic control of monocyte inflammation in autoimmunity* **Georgios Konstantinidis,** Postdoctoral Researcher, IMBB (3') *A protein quality control mechanism to preserve nervous system function and healthy ageing* **Chara Sarafoglou,** PhD Student, IMBB (3') NEXT-FRET maps nonequilibrium rerouting of E. coli maltose-binding protein folding by its signal peptide and chaperones **Stavroula Baiba,** PhD Candidate, IMBB (3') *Harnessing novel metabolic host defense mechanisms against mucormycosis* **Christos Aggelopoulos,** Principal Researcher, ICEHT (7.5') *Plasma bubbles for environmental and food-safety applications* **Vassilis Papaefstathiou,** Affiliated Researcher, ICS (6.5') *European Technologies for HPC and Datacenter Infrastructures* **Stavroula Ntoa,** Principal Researcher**,** ICS (6.5') *ACCESS4ALL: From Accessibility Compliance to Inclusion* **Manos Trichas,** Innovation & Technology Manager - Business Developer, IESL (10') *SMARTEC: The 1st Greek Nanoelectronics Pilot Line* **Vassilis Tsakanikas,** Senior Researcher, BRI (10') *The Digital Learner Twin: coupling procedural and learner digital twins for measured clinical competence in the APOLLO Centre of Excellence*	
10:45 – 11:15	**Coffee Break**	**New Restaurant**
11:15 – 13:15	**DIRECTORS' panel - New Auditorium** *Moderators: Ioannis Kamarianakis, Maria Klapa, Nikos Papadopoulos*	**New Auditorium**
	Prof. Vassilis Charmandaris, FORTH President **Dr. Emmanuel Stratakis**, Institute of Electronic Structure and Laser (IESL) **Prof. John Vontas**, Institute of Molecular Biology and Biotechnology (IMBB) **Prof. Dimitris Plexousakis**, Deputy Director, Institute of Computer Science (ICS) **Prof. Vagelis Harmandaris**, Institute of Applied & Computational Mathematics (IACM) **Dr. Marinos Sariyannis**, Institute for Mediterranean Studies (IMS) **Dr. Christos Tsakiroglou,** Chair of the Scientific Council, Institute of Chemical Engineering Sciences (ICE-HT) **Prof. Vassiliki Pavlidou,** Institute of Astrophysics (IA) **Prof. Dimitrios Gournis**, Deputy Director, Institute of Geoenergy (IG) **Prof. Savvas Christoforidis**, Institute of Biomedical Research (BRI)	
13:15 – 14.30	**Lunch**	**New Restaurant**
14:30 – 15:30	**WORKSHOP I – *HRS4R at FORTH: Achievements, Transition and the Road Ahead*** • ***Dr. Giannis Kamarianakis**, Panel Moderator, Member of the HRS4R/FORTH working group* • ***Dr. George Papamichail**, Chair of the HRS4R/FORTH* • ***Dr. Maria Klapa**, Vice-Chair of the HRS4R/FORTH* • ***Dr. Anthi Ranella**, Member of the HRS4R/FORTH Steering Committee* • ***Mr. Kostas Chatzigiannakis**, Member of the HRS4R/FORTH Steering Committee*	**New Auditorium**

15:30 – ~17:00	**POSTER SESSION II *(29)***	**New Auditorium**

Poster Pitching Presentations

"Gone in 150 sec"

Chair: Maria Klapa, ICEHT Research Director

SCIENTIFIC AREA: Quantum & Space Technologies

1. **QS1** Optical Space Communications Technologies, **Panagiotis Michailidis**
2. **QS2** Two -and multi- qubit Rydberg quantum gates between distant atoms, **Antonis Delakouras**
3. **QS3** Quantum light & Technologies, **N. Tsatrafyllis**
4. **QS5** The mw-atlas Collaboration: From 3D Milky Way Reconstructions to Telescope Calibrations, **J. Mueller**
5. **QS6** Studying black holes through the disruption of stars, **D. A. Langis**
6. **QS9** Energy dependence of X-ray power spectrum in AGN, **P. Ingale**

SCIENTIFIC AREA: Nanotechnology/Materials/Microelectronics

7. **N13** Catalytic Methane Pyrolysis over Supported Catalytic Systems: Coupling Turquoise Hydrogen Production with Value-Added Carbon (Nano)Structures Formation, **A.P. Damiri**
8. **N4** Sustainable Soft Matter and Applications, **Aikaterini Gialouri**

SCIENTIFIC AREA: Mathematical Methods/Informatics/AI/Robotics

9. **M10** Closed-Loop CO2 Storage Control With History-Based Reinforcement Learning and Latent Model-Based Adaptation**, Sofianos Panagiotis Fotias**

SCIENTIFIC AREA: Life Sciences

10. **LS2** The interplay between the JAML-CXADR axis & YAP-1 in the pathogenesis of basal cell carcinoma (BCC), **N. Papageorgiou**
11. **LS3** Macropinocytosis Drives Amyloid-? Clearance Across the Blood-Brain Barrier and Limits Cerebral Amyloid Accumulation, **Evi Vasili**
12. **LS4** KEDROS: A High Resolution Phylogenetic Profiling and Comparative Analysis Interface, **Athena Marougka**
13. **LS6** Exploring the role of Innate immunity to support Cardiac Repair and Regeneration, **Natalia Xenou**
14. **LS7** SNCA triplication disrupts proteostasis and extracellular architecture prior to neurodegeneration in human midbrain organoids, **Georgia Voudouri**
15. **LS8** Sex-specific behaviors, reminiscent of autism, via deamidated 4E-BP2 translational control, **Karmel-Sofia Gkika**
16. **LS9** Unraveling the Molecular Mechanisms of Vasculogenesis, **Elena Rakovoliou**
17. **LS10** KDM5A as a potential regulator of metabolic and lipid reprogramming in ER+ breast cancer cells, **Dionysia Argyrou**
18. **LS11** Pharmacology of Neurotrophin Receptors: From Elucidating Neuroprotective and Neurogenic mechanisms to Drug Development, **Maria Anna Papadopoulou**
19. **LS13** From Retinal Organoids to Retina-on-a-Chip: Modeling PRPF31-associated Retinitis Pigmentosa using human pluripotent stem cells, **Katerina Apostolidi**
20. **LS14** Spaceflight induces genotype-independent transcriptional remodelling in Caenorhabditis elegans, **Teresa Rubio-Tomas**

	21. **LS17** Drosophila cancer models for monitoring brain tumour emergence and progression to malignancy **Evanthia Zacharioudaki, Panagiotis Tsotoulidis** 22. **LS18** Network-based integration of GWAS and functional data reveals candidate proteins and pathways in Alzheimer disease, **Tsare Evridiki-Pandora** 23. **LS20** Dramatic additional production of SOA during aging reactions of OH with beta-caryophyllene ozonolysis products, **Angeliki Matrali** 24. **LS21** Assessing the Fate of Per- and Polyfluoroalkyl Substances (PFAS) in the Unsaturated Zone of Soils Using Temporally Correlated Mixed-Effects Models, **Chrysanna Kallari** 25. **LS23** Decoding Protein RNA Recruitment into Plant Processing Bodies through a Single-Copy Disordered Ubiquitin Receptor, **Fatemeh Barazandeh** 26. **LS26** Sedimentary organic carbon in Posidonia oceanica meadows across the Adriatic Ionian Seas: a regional comparison within a Mediterranean context, **Aikaterini Triantafyllidi** 27. **LS28** PVT1 splicing activity predicts genome-wide gene expression with miRNA regulatory signatures **Angelos Kozonakis, Christos Katsioulas** 28. **LS30** A Novel Pathogenetic Mechanism to Hijack Innate Immunity via Mycotoxin Binding to Immunostimulatory beta-Glucans, **Baimpa S.** 29. **LS32** Caloric restriction exerts anxiolytic effects in high anxiety female mice through modulating the proteasome, **Elissavet Anousi**	
17:00 –18:00	**POSTER VIEWING *(& Coffee)***	**El. Economou Building**

18:30 – 19:00 Welcome - Refreshments

FORTH CELEBRATORY EVENT		**New Auditorium**
19:00 – 19:10	**Welcoming Remarks** **Dr. Yiannis Kamarianakis**, IACM Research Director Chair of the 15th FORTH Retreat Organizing Committee	
19:10 – 20:10	**FORTH Award Ceremony** • *Research Award* • *Distinguished Members' Awards* • *Employees' Awards* • *Poster -Demo Awards* *sponsored by FORTH Researchers' Association (SYLER)*	
20:10 – 23:00	***Dinner & Dancing***	
23:00 – 23:30	**Return to Hotels**	

Sunday, October 11, 2026

09:30 –11:00	PARALLEL SESSIONS ON INTERDISCIPLINARY TOPICS IN SEARCH OF SYNERGIES - Panel Discussions	
	1. Innovation & Spin off / Start ups ***<u>"Artemis Saitakis" Meeting Room, STEP C –Building A (1st floor)</u>*** ***Moderator:*** *Dr. Papamichail George, Director Science and Technology Park of Crete* ***Participants****:* • *Dr. Vassilios Drakopoulos, President & CEO, HCAM SA "Next-Generation Chemical Processing: "The Role of Additive Manufacturing"* • *Prof. Dimitrios Tzeranis, Co-founder & CSO, "Leveraging Advanced Bio-Technologies into Effective Therapies"* • *Dr. Giannis Zacharakis, CEO, Kymatonics, "Reinventing the Microscope Objective Lens through Precision Light Control: "The Kymatonics Story"* • *Dr. Dimitris Tsikritsis, Head of Strategic Planning, Xenobiosis "Programming the Next Generation of Therapeutics with Generative Artificial Intelligence"* **2. Quantum Science and Technologies** ***<u>"Stelios Orphanoudakis" Meeting Room, 'Eleftherios Economou'' Building (1st floor)</u>*** ***Moderator:*** *Paris Tzallas, IESL* ***Participants:*** *Chair: Haridimos Kondylakis (ICS)* • *David Petrosyan (IESL)"Hybrid quantum systems"* • *Paraskevas Tzallas (IESL)," Strong field quantum optics & quantum light engineering"* • *Yannis Tzitzikas (ICS),"Quantum Computing & Knowledge Graphs"* *Chair: Yannis Tzitzikas (ICS)* • *George Nikolopoulos (IESL),"Quantum Cryptography"* • *Wolf Von Klitzing (IESL), "Quantum Matter in Motion"* • *George Vasilakis (IESL), "Quantum magnetometry"* • *Haridimos Kondylakis (ICS), "Quantum & DBs"* **3. Smart Cities & Intelligent Sensing** ***<u>15 people small Meeting Room of the Innovation and Advanced Education Hub (ground floor)</u>*** ***Moderator:*** *Spyros Pandis, ICEHT* ***Participants:*** • *Despina Valatsou & Konstantina Kalfa (IMS),"Smartness from below, resilience from within; and how to unpack them"* • *Stavros Pissadakis (IESL),"How Optical Sensors Will Run the Cities of Tomorrow"* • *Kostas Papoutsakis (ICS),"Video–based Understanding of Human Behavior: From Recognizing Actions to Predicting Intentions"* • *Zina Mitraka (IACM),"Intelligent Remote Sensing for Climate Change Adaptation and Mitigation"* • *Yiannis Kamarianakis (IACM),"Cities, Sensors + Data Science: From Vehicular Traffic Forecasting and Incident Detection to the Mapping of Urban Emissions"* • *Spyros Pandis (ICE-HT), "Real-time and future air quality in a smart city combining chemical transport models, low-cost sensors, and machine learning"* **4. AI & Data Science** ***<u>65 people Meeting Room of the Innovation and Advanced Education Hub (1st floor)</u>*** ***Moderators:*** *Spyros Bellas, IG; Panagiota Poirazi, IMBB; Grigorios Tsagatakis, ICS* ***Participants:***	**The Meeting Room for each Parallel will be announced on Saturday morning**

- *George Tsibidis (IESL), "Development of Multiphysics Models for Investigating Laser-Based Materials Processing"*
- *Vasilis Gaganis (IG), "Field scale optimization of subsurface CO2 storage projects*
- *Yiannis Kamarianakis (IACM), " Predictive Modeling with Spatio-Temporal and High-Dimensional Data"*
- *Vasilis Efthymiou (ICS), "The PARSEC synergy project"*
- *Dimitris Grammenos (ICS), "Exploring cyber-creativity: GenAI's creative*
- *capabilities and their role in creative ideation"*
- *Tassos Roussos (ICS), "Human-Centered 3D Vision: Faces, Hands, Bodies, and Skulls"*
- *Maria Diamantaki (IMBB), "Digital twins of the mouse visual cortex: linking neural activity to object recognition"*
- *Michalis Pagkalos (IMBB),"Empowering AI using lessons from Biology"*

5. Cultural Heritage

"Alkiviades Payatakes" Meeting Room, ''Eleftherios Economou'' Building (1st floor)

Moderators: *George Alexandrakis, IACM; Demetrios Anglos, IESL; Nikos Papadopoulos, IMS*
Participants:

- *Dimitris Alexakis (IMS), "From Space to Landscape and Cultural Heritage: Earth Observation, AI and Public Participation for Monitoring and Protection"*
- *George Alexandrakis IACM, "Digital twins for cultural and natural heritage at risk. From observation to intervention"*
- *Demetrios Anglos (IESL)"E-RIHS: A paradigm in heritage science across Europe"*
- *Nasos Argyriou (IMS), "Geoinformatics for Cultural Heritage Protection: An Integrated Multi-Hazard Approach"*
- *Apostolos Delis (IMS), "Nineteenth century Global ports in digital applications: Maritime history and Informatics in the project PortADa*
- *Nikos Potamianos, "Carnival in Athens and Smyrna: A Social History, 1800–1940"*
- *Paraskevi Pouli (IESL), "Laser Restoration; to melt or not to melt, that's the question..."*
- *Giannis Spyropoulos, "Janissaries, Economy and Politics: A Brief Presentation of the ERC JaNet Project"*
- *Anna Sydorenko (IMS), "Across Imperial Waters: Maritime Smuggling in the Black Sea and Eastern Mediterranean, 1853-1914."*
- *Yannis Tzitzikas (ICS), "How semantic technologies and artificial intelligence are transforming the management of cultural data"*

6. Omics, Bioinformatics & Precision Health

Auditorium of the Innovation and Advanced Education Hub

Moderators: *Maria Georgiadou, BRI; Maria Klapa, ICEHT; Alexandros Pittis, IMBB*
Participants:

- *Eleftheria Tzamali (ICS), "Beyond Observation: Mechanistic Modeling for Understanding and Treating Cancer."*
- *Matthieu Lavigne (IMBB), "Mechanistic Insights into Transcription Dynamics Uncovered by In Silico Simulation and Mathematical Modeling"*
- *Yannis Tsamardinos (IACM), "Automated Machine Learning and Causal Discovery for Biomarker and Knowledge Discovery"*
- *Irini Fundulaki (ICS),"Precision Medicine Research in the era of AI and EHDS: Challenges and Opportunities"*
- *Emmanouela Linardaki (IMBB),"Genomic medicine and precision health: addressing the bottleneck of variant interpretation"*
- *Maria Klapa (ICE-HT),"Metabolomics & Protein Interactomics: From Data to Networks*

	• *Vasiliki Theodorou (IMBB),"Single cell Drosophila brain tumor atlases recapitulate human glioblastoma traits"* • *Michaela Filiou (BRI),"Lean and stressed: How do lifestyle interventions affect high anxiety?"* • *Iordana Zirdeli (IMBB),"Decomposing animal olfactory combinatorial code via evolution, deep learning & data analysis"* • *Achilleas Floudas (BRI),"Immune cell polyfunctionality in translational Immunology"* **7. Planetary Health: Climate, Biodiversity & Food Systems** ***65 people Meeting Room of the Innovation and Advanced Education Hub (ground floor)*** ***Moderators:*** *Michalis Kotsyfakis, IMBB; Dimitris Poursanidis, IACM, Evina Gontikaki, IG* ***Participants:*** • *Maria Kanakidou (ICE-HT), "Climate Chnage in the East Mediterrenean"* • *Panagiotis Moschou (IMBB), "Decision making without α Brain"* • *John Vontas (IMBB), "Modern Technology-Based Approaches for the Control of Insect Pests and Vector-Borne Diseases"* • *Vassilis Douris (BRI), "Invasive Species and Emerging Risks for Biodiversity, Agriculture and Health"* • *Dimitris Poursanidis (IACM), "From Earth Observation to Ecosystem Solutions: Connecting Climate, Biodiversity and Food Systems"* • *Ageliki Doxa (IACM), "Climate Change Impacts on Biodiversity and Climate-Smart Management"* • *Antonis Parasyris (IACM), "Digital Twins of the Coastal Ocean: Physics-based and AI Models for Oil Spills, Marine Heatwaves and Harbor Safety"* • *Christos Tsakiroglou (ICE-HT), "Fate of Perfluoroalkyl Substances (PFAS) in the Subsurface: Field-Scale Modeling"* **8. Sustainable Materials and Energy Technologies for a Resilient Future** ***"Costas Fotakis" Meeting Room, "Eleftherios Economou" Building (1st floor)*** ***Moderators:*** *Spyros Giannopoulos, ICEHT; Emmanouil Glynos, IESL; Nikolaos Kostoglou, IG* ***Participants:*** • *Maria Vamvakaki (IESL-FORTH/UoC), "Rethinking Polymer Materials: Towards a Sustainable Future"* • *Spyros Yannopoulos (ICE-HT-FORTH/UoP), "EU Trends on Innovative Advanced Materials for Next-Generation Energy Storage"* • *Emmanouil Glynos (IESL-FORTH/UoC), "Sustainable Polymer Electrolytes for Next-Generation Energy Storage"* • *Vassilios Binas (IESL-FORTH/AUTH), "Advanced Photocatalytic Materials for Solar Hydrogen Production"* • *Nikolaos Kostoglou (IG-FORTH), "Nanoporous Carbon-Based Materials for Hydrogen Storage"* • *Stylianos Neophytides (ICE-HT-FORTH)"Regenerative Fuel Cell System* • *Vagelis Harmandaris (IACM-FORTH/UoC), "Multiscale Modelling and AI Methods for Sustainable Materials"* • *Vassilis Gaganis (IG-FORTH/NTUA), "Subsurface CO_2 Storage and Monitoring: What We Have, What We Need, What We Are Looking Into"*	
11:00 – 11:30	**Coffee Break**	**New Restaurant**

11:30 – ~ 12:45	***RESEARCH HIGHLIGHTS* - SESSION II** *Chair: Mary Konstantaki, IESL Senior Application Scientist*	**New Auditorium**
	Elena Anagnostopoulou, Collaborating Faculty Member, IMS (15') *Changing Grammars: Language evolution in time and space* **Ioannis Liodakis,** Associate Researcher, IA (10') *The Institute of Astrophysics in a nutshell* **Linda Grigoraki,** Assistant Researcher, IMBB (3') *Using functional genetics to study insecticide resistance in mosquitoes and development of new strategies and biopesticides for mosquito-borne disease control* **Spyros Chavlis,** Postdoctoral Researcher, IMBB (3') *Dendritic foundations of computation: From cellular circuits to flexible behavior and neuro-inspired AI* **Georgina Chatzinikolaou,** Postdoctoral Researcher, IMBB (3') *Genome Instability and Mammalian Physiology: From DNA Damage to Ageing and Disease* **Spyros Yannopoulos,** Collaborating Faculty Member, ICEHT (7.5') *Laser-enabled materials manufacturing: From advanced materials to flexible electronics and battery electrodes* **David Petrosyan**, Research Director, IESL (10') *Quantum research highlights at IESL-FORTH* **Evina Gontikaki,** Principal Researcher, IG (5') *Blue Carbon at FORTH/IG: Understanding and Quantifying Ocean Carbon Storage* **Nikos Kostoglou,** Principal Researcher, IG (5') *Hydrogen Technologies at FORTH-IG: Advanced Storage Materials, Turquoise Hydrogen and Green Electrocatalysis* **Georgios Koutsovoulos,** Postdoctoral Researcher, ICS (6.5') *Biodiversity Computing: Algorithms and Data for Large-Scale Biodiversity Research*	
12:45 – 14:00	**Lunch**	**New Restaurant**
14:00 –14:30	**WORKSHOP II – *"FORTH GEADC: Putting Equality into Practice within FORTH"*** *Moderator: Kiki Chrissopoulou -IESL, Chair, Gender Equality & Antidiscrimination Committee* *Participants: Maria Klapa, ICEHT; Panayiota Poirazi, IMBB; Maria Malathraki IMS; Petros Samartzis IESL*	
14:30 – 15:00	**WORKSHOP III – SCIENCE COMMUNICATION INITIATIVES** *Moderator: Ioannis Kamarianakis-IACM Research Director* • ***"epikoinonITE" Science outreach activities*** **Anthi Strataki,** Coordinator • ***Science comes to town*** **Dr. Maria Makridaki,** Business Development and Innovation Manager, FORTH-ICS	
15:00 – 16:00	**FORTH GENERAL ASSEMBLY** *Prof. V. Charmandaris, FORTH Chairman*	
16:00 – 16:30	**Closing Session**	