



CONFERENCE PROGRAMME

MACISE 2024 and ENGW 2024

Introduction

10 Top Reasons Why You Should Visit Crete Island, Greece in the context of our Conference!

Why Crete ?

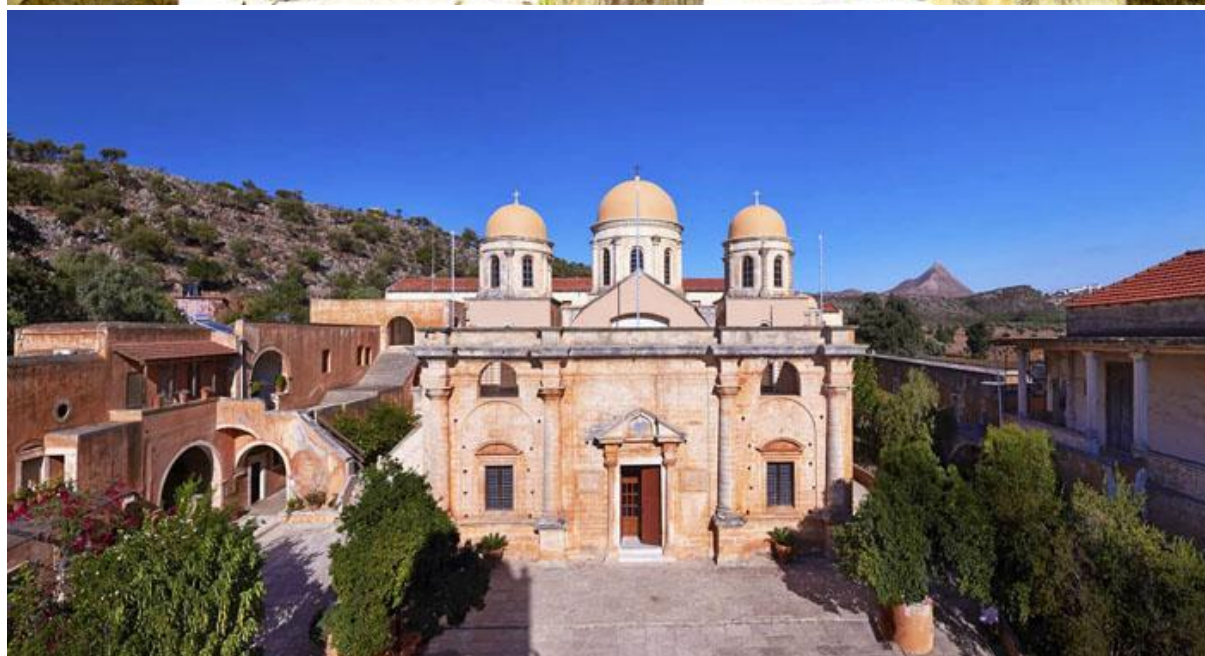
The biggest island of Greece is a charming place where you can enjoy your trip in the way you have imagined it. Here are 10 reasons why Crete is worth visiting; once you get there though, expect to discover many more!

1. Civilisation & Culture

Its strategic location on the map has turned the island into a crossroads where people and civilisations have left a permanent mark on, along with a rich cultural heritage.

Across the ages, Minoans, Mycenaeans, Ottoman Turks, Arabs and Venetians have shaped the island's identity.

So, discover Crete's eventful history that spans fifty-odd centuries: the Minoan palaces at Knossos, Phaestos, Malia and Zakros; the archaeological sites of ancient Gortyna, Eleftherna, Lyttos, Aptera, Falasarna, Spinalonga; the Venetian harbours at Chania, Heraklion and Rethymno towns; the ottoman monuments and architectural structures seen across the island; the historic monasteries of Arkadi, Preveli, Toplou, Agarathou, and Chrysoskalitissa; numerous thematic museums – the Heraklion Archaeological Museum is among the most significant in Europe.



2. Old Towns

The old towns of Chania and Rethymno share a fascinating combination of Venetian and Ottoman architectural elements. They are well-known, charming, and much-photographed with an ambience reminiscent of times gone by. Stroll along their narrow alleys and streets, stop by and have a coffee, snack or meal in the traditional cafes and tavernas; the magical patina of old times is everywhere.



3. Traditional Villages

They are mountain villages, mostly. Old customs and traditions are kept unchanged and they unveil aspects of the true Cretan culture. Visit Archanes, Zaros and Asites in Heraklion region, Vamos and Chora Sfakion in Chania region, Anogeia, Axos and Margarites in Rethymno region, Makrygialos and Kritsa in Lasithi region. This is the 'heart' of traditional Crete.



4. Seaside Tourist Resorts

Luxury resorts and lodgings of all types can be found along the seafront. Big towns such as Heraklion, Chania, Rethymno, Agios Nikolaos, Siteia and Ierapetra are not the only destinations that can offer you a vacation to remember: visit also Agia Pelagia, Amnissos, Kaloï Limenes, Chani Kokkini, Malia and Ammoudara (Heraklion region); Platania, Agia Marina, Kolympari, Agia Roumeli, Loutro, Palaiochora and Kissamos in Chania region; Georgioupoli, Bali, Plakia, Agios Pavlos, Panormos in Rethymno region; Elounta, Plaka, Makrygialos, Koutsounari, Agia Fotia in Lasithi region.

5. Gastronomy

The essence of the Cretan cuisine can be described in the following words: “prefer the products of your land”. The way locals make use of their land’s rich produce is remarkable. The wide variety of seasonal fruits and vegetables, legumes, wild edible greens and fragrant herbs are combined with tasty goat and sheep meat: the outcome is a number of particularly tasty dishes that don’t come up anywhere else in Greece. The local cheese list is also quite impressive; on the top you will find the popular Cretan graviera (a type of hard cheese) which is a PDO cheese.



6. Beaches

The island’s endless coastline features numerous beaches, most of which are sandy. Balos, Falasarna and Elafonisi are three beaches of great beauty in the region of Chania. Within a short distance from Heraklion you will find Amnissos, Agia Pelagia, Kaloï Limenes, Malia, Limenas Chersonisou, Ammoudara beaches. Don’t miss out on visiting Matala beach known since the sixties and seventies as a hotspot for hippies who travelled there from all over the world.

In Rethymno you will find the longest sandy beaches (Episkopi, Petres) and a number of quite unusual beaches (Triopetra, Agios Pavlos, Ligres, Fragokastelo,

Preveli). The area of Lasithi is well-known for its picturesque shores that are washed by the Libyan Sea, as well as for cosmopolitan Elounta beach.



7. Nature's Amazing Creations

The terrain's morphological diversity is remarkable and it offers hard-to-ignore opportunities to daring explorers and nature lovers for extensive tours of the countryside. High mountains with rugged peaks, caves and ravines, fertile plateaus and valleys, rare cedar forests and water habitats are the pieces that make up the lovely and diverse Cretan land. Make a note of visiting Mt. Psiloreitis (or Psiloritis)

Natural Park and Siteia (or Sitia) Natural Park - both are UNESCO Global Geoparks, discover caves celebrated in ancient Greek mythology such as Idaion Antron, Diktaion Antron, Melidoni and Sfendoni, hike along Samaria gorge, enjoy a ramble in Vai palm forest, Lakes Kourna & Preveli, as well as on Lasithi and Nida plateaus.

8. Activities

Crete is an island that can offer many a thrill to action-loving travellers by the sea or on the mountain. Hike through its ravines, enjoy your off-road rides in the mainland, follow the trekking routes – the landscapes crossed by the E4 European trail are amazing; enjoy water sports activities such as sailing, diving, sea kayaking and windsurfing.

9. Paradise Islands

Visit Gavdos islet, the southernmost tip of Europe; swim by heavenly beaches such as Sarakiniko, Ai Giannis, Pyrgos, Potamos, Trypiti; discover cedar woods that reach the seashore and well-tended trails that lead to the few island villages. In the summertime the place is a popular camping spot. There is a boat connection with Palaiochora, Sougia and Chora Sfakion.

Chrysi or Pontikonisi islet (8 miles south of Ierapetra) is a feast for the eyes, with its turquoise waters, the off-white sands enriched with the hues of broken seashells, and the huge seaside cedars rooted in the sand dunes. Every day hundreds of visitors come to the island for a day trip aboard the tourist boats from Ierapetra. Chrysi islet has been designated a Natura 2000 area and it is strictly forbidden to camp and spend the night there.

Koufonisi, Siteia (or Lefki islet) is a place that few people know. There are caves shaped in the limestone rocks that contain vestiges of significant antiquities. The sandy beaches and natural serenity is what makes this islet a paradise - one that only locals are aware of; they usually take a trip there using their own boats. There is however a small boat that will take you from Makrygialos to Koufonisi. This islet is a pristine area with no facilities of any kind, so make sure you carry the essentials for your trip with you.

10. A Natural Way of Life

The Cretans are proud and affable people. They are, after all, the descendants of Cretan-born Zeus the god of hospitality and father of all ancient Greek gods. And they know how to offer hospitality to strangers in their parts. Their profound love for their homeland and their adherence to traditional ways and customs have shaped a special culture and a way of life that is absolutely worth discovering. And if you happen to be invited to a Cretan feast, you will feel what it's like to have fun - the way locals do. You will savour tasty titbits and dishes, and you'll be called to join in the

folk dances; you will listen to mantinades (songs with words improvised and sung on the spot) and ritzika songs. Have a great time – the Cretan way!

CONFERENCE PROGRAMME

OSTRIA HOTEL (5 Star)
Katharades, Ierapetra,
72200 Crete, Greece
www.ostriahotel.gr
+302842025711 +306974938456

Thursday, June 6, 2024

09.00-16:00 (working hours of the Secretariat)

Registration

Distribution of the Conference bags

*** Certifications of Presentation and Receipts (Invoices) will be sent to you only by email**

The presentations will appear here (after the conference)

<https://www.interbit-research.com/presentations.html>

Time: 10.00-10:20

Advanced fuzzy logic controllers design and evaluation for buildings' occupants thermal-visual comfort and indoor air quality satisfaction

By Emmanuel Antonidakis

Time: 10:20-10:40

Singularities in Solid-Liquid Turbulent Flow

by Artur Bartosik

Time: 10:40-11:00

Efficiently modeling and controlling complex dynamic systems using evolutionary fuzzy cognitive maps

By Emmanuel Antonidakis

Time: 11.00-11:20

**A Comparative Analysis of Energy-Efficient Short-Range Wireless Data
Communication Protocols**

By Manolis Tampouratzis

Time: 11:20-12:00

Artificial Intelligence and Robotics - Challenges and trends

By Marios Sfendourakis

12:00-12:30

Coffee Break

Conference Room A'

Time: 12:30-12:50

Dose Effect Models for Space Radiobiology : An overview on dose effect relationship on behalf of the AMS SPRB Collaboration
By Alessandro Bartoloni

Time: 12:50-13:10

Real time observation of a stationary magneton
By Emmanuel Antonidakis

Time: 13.10-13:30

Two isomorphic forms of quantum e.-m. field existence and Lamb and Casimir effects
by Aleksander Beilinson

Time: 13:30-13:50

CFD analysis to optimize air quality in aeroponic tower garden
by Esam Jassim, Bashar Jasem, Faramarz Djavanroodi

Time: 13.50-14:10

Simulation modeling of the operation of the toll plaza with reverse lanes
By Alexander Talavirya, Michael Laskin

Time: 14.10-14:30

COVID Pneumonia Severity Detection of Chest CT-Scan Images based on Robust Semantic Segmentation
by Bayan Alsaaidah

Time: 14.30-14:50

Development of Portable Electronics Incentive Spirometer for Patients Recovering from COVID-19 for Nakhon Nayok and Sa Kaeo Province Community
By W.Senavongse and S.Noimanee

Time: 14.50-15:10

**Design of Smartwatch with Non-Invasive Blood Glucose Monitoring Using an I2C
Ultra-Slim Low Voltage Sensor
by K.Noimanee and S.Noimanee**

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Friday, June 7, 2024

On-line Presentations

09:00-12:00

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|--|---|
| Ludovica Adacher e Marta Flamini | Modelling and evaluating sustainability and general costs in urban freight distribution |
| Eugenia Rossi di Schio, Vincenzo Ballerini, Paolo Valdiserri | Thermal characterization of textile waste materials for reuse in the energy refurbishing of buildings |
| Suzana Lampreia; Inês Mestre; Helena Navas, Teresa Morgado | Dynamic Maintenance Based on Fuzzy Logic |
| Sarah Benziane, Kaouter Labeled | Livestock anti-theft system on an agricultural farm |
| Mohsen Mhadhbi, Miloud Driss, Brahim Safi | Discrete Element Simulation of Filling Level in Planetary Ball Mill |
| Alexander Zemliak | Modified Genetic Algorithm for Solving Nonlinear Programming Problems |
| Marcela Morvidone, Ivana Masci, Diana Rubio, Melisa Kurtz, Deborah Tasat and Rosa Piotrkowski | Particle size and morphological evaluation of airborne urban dust particles by Scanning Electron Microscopy and Bidimensional Empirical Mode analysis. |
| Abdelhakim Chillali, Moha Ben Taleb EL HAMAM and Abdel^ali GRINI | Huff curve over non local ring |
| Volodymyr Riznyk | Development of Vector Computer Information Technology Based on the Multi-modular Combinatorial Theory |
| Safiye Turgay | Integrating Extended Rough Set Approaches for Decision Support in Information Systems |
| Safiye Turgay, Recep Yilmaz, Bilal Torkul | Agent-Based Evolutionary Approaches to Enhance Supply Chain Agility |

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| Safiye Turgay, Esmâ Sedef Kara | Fuzzy Goal Programming with Symmetric Triangle Membership Function: Case of Closed Loop Supply Chain Management |
| Mert Ömer Kademođlu, Serkan Erdođan | Deep Learning Empowered Path Optimization in Logistics: DeepShortest Approach |
| Rajinder Sharma and Deepti Thakur | ComplexValued Dislocated Metric Space and Related Fixed Point Theorems |
| I.G.Burova | A Boundary Value Problem with Strong Degeneracy and Local Splines |
| Ramona Elena DUMITRASCU | An analysis on agile decision-making in the digital age of design for circular economy |
| Sandra Ferreira, Dário Ferreira | Improving Flexibility in Distributions: A Novel Generalization of the Half-Logistic Distribution |
| Osman Said Bişkin, Talha Saydam, Serkan Aksoy | Causal Oscillations in an Electromagnetic Resonator |

12:30-18:30

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| ABDUR ROHMAN, SURAJIT KR. NATH | Graph Network Theory and Its Applications |
| Abdelali ELMOUFIDI, Hamza OUHAKKI | PySpark based Optimization Breast Calcifications Detection For Head Imaging Big Data |
| Dursun Ustundag | A Hybrid Algorithm for Solving Nonlinear Least Squares Problems |

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| Babatope Olisa, Mobolaji Stephens, Ikpechukwu Njoku, Chiamaka Olisa | The Channel Migration of Inland Waterway Channels in Ilaje, Ondo State, Nigeria |
| Mehmet Cevri | Mathematical Analysis of the Clustering of Ostracoda Concerning Their Habitat Preferences |
| Bruno Carpentieri | Fast Matrix Solvers for Thermonuclear Energy Applications |
| VINOD KUMAR VERMA | Trustworthy Consensus Enabled Innovative Protocol in Sensor Based Internet of Things |
| Merouane Habib, Draï Ismail, Sahnoun Rachid | NUMERICAL PREDICTION OF A TURBULENT NON PREMIXED COMBUSTION OF CH₄/H₂ IN AIR |
| Ekbal Rashid, Prof. Nikos E Mastorakis | Software Project quality parameters can be expressed as functions of Software Project growth parameters |
| Mustafa Fadhel and Ayman Aldarabie | Smart Thermal Environmental and Noise Monitoring to Enhance Indoor Comfort for Classroom: A Case Study at the International College of Auckland, New Zealand. |
| K.Thamizhmaran | Cluster Based Dynamic Bandwidth Allocation (C-RAN) |
| Mohana Sundaram Muthuvalu, Elayaraja Aruchunan, Majid Khan Majahar Ali, Jumat Sulaiman, Norhafizah Md Sarif | The 2-Point Block Arithmetic Mean Iterative Method for Solving First Kind Fredholm Integral Equations with Semi-Smooth Kernel |
| Vu Duong, Le Hong Ky | The kinetics of plasma-sprayed particles using a plan experiment |
| Asset Durmagambetov | New estimates of the potential Schrodinger equation |

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|---------------------|---|
| Asset Durmagambetov | Theoretical Foundations for Creating Fast Algorithms Based on Constructive Methods of Universality |
| Asset Durmagambetov | COLLATZ CONJECTURE |
| Ayman M Mansour | Advancing Mine Detection Through Multi-Agent Systems: Collaborative Robotics for Enhanced Efficiency and Safety |

Friday, June 7, 2024

Welcome Cocktail: 20:00

“Plori” restaurant by the sea

Ierapetra

https://www.facebook.com/plori.restaurant/?locale=el_GR

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Saturday, June 8, 2024

On-line Presentations

To be announced

Saturday, June 8, 2024

Welcome Cocktail: 20:00

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