



ANNUAL MEETING

SEPTEMBER 17 - 20, 2023 • ATHENS, GREECE

2023 Annual Meeting Schedule

Sunday, September 17, 2023

	Lunch on Your Own
1245 12:45 p.m.	Meet in Lobby for Tour
1300 – 1700 1:00 p.m. – 5:00 p.m.	Tour of Athens Our walking tour of the historical center of Athens will take us to the most important landmarks and sights of this beautiful city. We will see archaeological artifacts found during metro construction in Syntagma and stop to see the changing of the guard at the Monument of the Unknown Soldier. Our tour will continue with a visit to the Temple of Zeus and Hadrian's Arch before heading through the Plaka district on our way to the Sanctuary and Theater of Dionysos. We will then skip the line as our guide takes us on an in-depth tour of the Acropolis and its monuments including the famous Parthenon. Join your Perlite Institute colleagues for this excellent opportunity to explore Athens!
1830 – 2000 6:30 p.m. – 8:00 p.m.	Reception

Monday, September 18, 2023

	Breakfast on Your Own
0830 – 0900 8:30 a.m. – 9:00 a.m.	Registration
0900 – 0915 9:00 a.m. – 9:15 a.m.	Welcome and Introductions
0915 – 1000 9:15 a.m. – 10:00 a.m.	Perlite Business Lifecycle: Where Do We Stand on It? <i>Emmanuel Tsontakis, Sales Partner, VIORYP, Founder, STRA.NA.R.</i> During this session, Emmanuel will examine the current stage of the global perlite industry using the classic model (start-up/growth/maturity/decline). He will analyze historical data, current status and global trends, and he will share thoughts and considerations on possible follow-up strategies as a reaction to change.
1000 – 1015 10:00 a.m. – 10:15 a.m.	Break
1015 – 1100 10:15 a.m. – 11:00 a.m.	Lean Manufacturing – Perspective for the Perlite Industry <i>Chuck Vogelsang, Technical and Operations Consultant, Perlite Institute</i> Lean manufacturing is an operational approach to improve profits by streamlining processes and maximizing productivity to eliminate waste. It is a methodology on how to continually improve the various processes involved in producing a product. During this session, find out how lean manufacturing saves time and money and improves customer satisfaction.
1100 – 1145 11:00 a.m. – 11:45 a.m.	Brochure Committee Workgroup

2023 Annual Meeting Schedule

1145 – 1200 | 11:45 a.m. – 12:00 p.m.

Break

1200 – 1245 | 12:00 p.m. – 12:45 p.m.

Mortars and Plasters From Inorganic Materials With Improved Insulation Properties and Incorporation of CDWs

Achilleas Amanatidis, Principal Consultant, in.mat-Lab

As a founding member of e-CODOMH, in.mat-Lab participates in the development of new ecological mortars and plasters, which will show improved properties such as thermal insulation (thanks to the use of perlite composites), antibacterial properties (because of the use of nano-titania) while also incorporating recovered materials from CDWs. e-CODOMH Cluster was founded in 2021 with objectives for sustainable constructions, buildings and infrastructures in two priority axes: 1.) environmental sustainability with an emphasis on energy upgrading, and 2.) digitization of production.

1245 – 1345 | 12:45 p.m. – 1:45 p.m.

Lunch

1345 – 1430 | 1:45 p.m. – 2:30 p.m.

Future Perlite Sustainable Building Applications

Kostas Mitsios, Technical Director, Gulf Perlite LLC

During this session, Kostas will present the latest innovations for future perlite sustainable building applications. Both applications promise a sustainable, global potential and provide strong showcases for the future of perlite in the construction industry.

Gulf Perlite LLC's Application of Perlite Loose-Fill Wall Insulation at the First 3D Concrete Villa of Dubai

3D Concrete is the future in construction, and this full 3D building was built by a robotic machine in a short time (1 month/villa). It is sustainable (less emissions), safe (less accidents) and economical (less materials wastage). Perlite Loose-Filled insulation is sustainable, ever-lasting, fire-resistant, time and cost-effective for the specific application. Within 20 years, 50% of the villas construction in the UAE will be 3D printed.

Assessment of Perlite Lightweight Concrete T Beams CFRP Strengthened and Anchored With U-Wraps

Following the construction market demand for Structural Lightweight Concrete worldwide, Gulf Perlite LLC sponsored and participated together with the American University of Dubai in the first Research Paper for the use of Perlite LW Concrete as a Structural Concrete. This is the first scientific study aiming to introduce medium density Perlite LW Concrete with compressive strength of min. 20 MPa (2,900 psi) for structural concrete applications (beams/columns/slabs). Perlite LW Concrete performance was tested to be similar to the ordinary structural concrete, when it additionally offers the significant advantage of lightweight, reducing the structure weight/load by 25% and achieving more flexibility in the structural design and significant cost-savings in construction.

1430 – 1500 | 2:30 p.m. – 3:00 p.m.

Construction Committee Workgroup

1800 – 1930 | 6:00 p.m. – 7:30 p.m.

Reception

2023 Annual Meeting Schedule

Tuesday, September 19, 2023

	Breakfast on Your Own
0900 – 0915 9:00 a.m. – 9:15 a.m.	Welcome and Introductions
0915 – 1000 9:15 a.m. – 10:00 a.m.	Integrating Sustainability Thinking Into Perlite Extraction and Production <i>Juliette Cauchy, Sustainability Manager, Business Area PM EMEA, Imerys</i> This session will provide an overview of SustainAgility, the sustainability program at Imerys, with examples of initiatives related to perlite including biodiversity projects and Life Cycle Assessment (LCA) of minerals.
1000 – 1045 10:00 a.m. – 10:45 a.m.	Horticulture Committee Workgroup
1045 – 1100 10:45 a.m. – 11:00 a.m.	Break
1100 – 1145 11:00 a.m. – 11:45 a.m.	Irrigation Study Using Fine Perlite – Reduction of Fertilizers When Using Perlite <i>Dr. Panos M. Angelopoulos, Research, Technical and Marketing Consultant, Perlite Institute</i>
1145 – 1230 11:45 a.m. – 12:30 p.m.	Specialties and New Applications Committee Workgroup
1230 – 1345 12:30 p.m. – 1:45 p.m.	Lunch
1345 – 1415 1:45 p.m. – 2:15 p.m.	Annual Business Meeting
1415 – 1500 2:15 p.m. – 3:00 p.m.	Assessing the Environmental Performance of the Perlite Industry and Products <i>Professor Maria Taxiarchou, Associate Professor, Analysis and Design of Processes for Ores and Industrial Minerals, School of Mining & Metallurgical Engineering, National Technical University of Athens</i> In an era marked by increasing environmental concerns and a growing awareness of the impact of human activities on our planet, the need for sustainable practices in the industry has become paramount. In the same context, in the global marketplace, consumers are becoming increasingly environmentally conscious. This presentation will review how the perlite industry can quantify and communicate the environmental performance of their processes and products to customers, using Life Cycle Analysis (LCA) and Environmental Product Declaration (EPD).
1500 – 1515 3:00 p.m. – 3:15 p.m.	Break
1515 – 1600 3:15 p.m. – 4:00 p.m.	Speaker TBD
1800 – 2100 6:00 p.m. – 9:00 p.m.	Annual Dinner <i>Offsite</i>

2023 Annual Meeting Schedule

Post Meeting Tour to Milos Wednesday, September 20, 2023

	Breakfast on Your Own
TBD	Meet in Lobby for Milos Departure
0740 7:40 a.m.	Boat Departure from Piraeus, Athens
1100 11:00 a.m.	Boat Arrival in Milos
1130 11:30 a.m.	Milos Tour <ul style="list-style-type: none">• Voudia Bay Plant Tour and Presentation• Lunch• Loading Bridge and Operations Tour• Milos Mining Museum Visit
1735 5:35 p.m.	Boat Departure from Milos
2055 8:55 p.m.	Boat Arrival in Piraeus, Athens
	<i>Perlite Institute Post Meeting Tour Concludes</i>

All times are approximate and are subject to change due to weather, traffic, and other unforeseen delays.

Speakers

Achilleas Amanatidis



Achilleas received his MSc in Mining & Metallurgy Engineering in 1992. After working eight years as a senior researcher in the NTUA/Lab of Metallurgy, he continued his professional career as Head of Refractories production at Mathios Refractories S.A. organizing and synchronizing operations of two plants and targeting the decrement of operational costs. In 2002, Achilleas entered the world of perlite as Technical Support Engineer for S&B Industrial Minerals S.A., responsible for international customers' technical support, participating in various internal, B2B and EU funded R&D projects based on industrial minerals. He was also responsible for the knowledge database of a very wide range of perlite qualities from all around the world through lab and industrial tests and analyses. In 2010 and for the next six years, Achilleas took the position of Expanded Perlite Operations Manager with responsibilities over a multi-functional plant with everyday production, serving a range of perlite products covering construction, agriculture, hydroponics, filter aids, cryogenic insulation, fillers for paints and plastics. After S&B's acquisition by Imerys, he joined Dr. Antonia Ekonomakou, in.mat-Lab's founder, as Principal Consultant, bringing experience and a proven track record of success in the field of perlite, meeting the company's goals and objectives for a professional consultancy to mining companies, perlite expansion plants and final producers.

Dr. Panos M. Angelopoulos



Panos Angelopoulos holds a diploma in Mining and Metallurgical Engineering and a Ph.D. in "Production of Expanded Perlite Microspheres: Process Development and Mathematical Modeling" from National Technical University of Athens under fellowship of the National Scholarships Foundation (2013). In 2015, he was awarded the Academy of Athens Research Publication Excellence Prize, in recognition of his paper entitled "Model-Based Sensitivity Analysis and Experimental Investigation of Perlite Grain Expansion in a Vertical Electric Furnace." In 2016, he was a postdoctoral fellow of IKY-SIEMENS fellowship program for the investigation of "The use of low-grade volcanic glass as raw material in the production of lightweight microspheres."

He is the author of 17 research papers dealing with: evolution of thermophysical phenomena during perlite expansion, the Vertical Electric Furnace concept and the preparation of expanded perlite microspheres, expansion process modeling and simulation, and development of new uses and products from perlite. He is co-inventor of a European patent entitled "Expanded and expandable granular materials."

Currently, he holds a position as Senior Researcher in Laboratory of Metallurgy of the NTUA (Greece). During the last few years, he has been involved in the preparation of research proposals and managing of EU research projects, all of which involve the development of new uses for conventional perlite and the development of new perlitic products tailored for use in construction, plastics and fillers, environmental rehabilitation and waste depollution. Furthermore, he is dealing with ores' evaluation, Transfer-of- Technology (ToT) and product development projects.

Speakers

Mehrican Asit



Mehrican Asit obtained her M.A. in international trade and began working with GENPER Group in 2006 as an Office Assistant. She gained experience from various departments at the beginning of her career, including accounting, finance and national sales. During this time, she was mentored by Turgay Comert, the founder of GENPER Group. When the company expanded into Turkey in 2008, Mehrican was responsible for marketing and sales initiatives for perlite ore, expanded perlite and perlite expansion plants in global export markets. After taking a hiatus in 2015 from the perlite industry, she returned as Director of GPM CO. in 2019, a subsidiary of GENPER Group. This role provided her the opportunity to meet with industry experts, professionals and owners of perlite expansions plants worldwide. Mehrican has also been involved with R&D projects in various industries. She is experienced in expanded perlite, raw perlite, perlite expansion technologies, machinery and end-user applications. Mehrican believes in the collective power of a group to achieve common goals in the perlite industry.

Juliette Cauchy



Juliette Cauchy has a master's degree in engineering with a specialization in environment. She worked in the construction products sector for two years before joining Imerys in 2020. Juliette coordinates sustainability projects such as the assessment of Imerys solutions according to sustainability criteria, including the Life Cycle Assessment (LCA) of minerals along with expanded perlite produced in Europe.

Kostas Mitsios



For the last 12 years, Kostas Mitsios has been the Technical Director of Gulf Perlite LLC, a prominent Dubai-based perlite manufacturer and provider of perlite-based solutions for the construction, oil and gas, and horticultural sectors. Kostas holds bachelor's and master's degrees in civil engineering/ structural engineering and a M.Sc. degree in mining engineering from the esteemed National Technical University of Athens. Over the course of his 25-year career, he has garnered invaluable expertise in project management, serving as a Project Director at numerous residential and commercial high-end projects in Europe, with a particular focus on innovative building materials and methods, sustainability, cost, time and quality control; and fostering efficient and creative thinking. In his current role, Kostas devotes his efforts to advancing perlite and perlite lightweight concrete applications, delivering sustainable thermal insulation to the GCC buildings; and to providing innovative building solutions tailored to each project technical requirements and the extreme local climate conditions.

Speakers

Professor Maria Taxiarchou



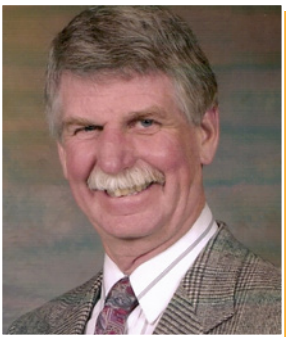
Professor Maria Taxiarchou is a Mining and Metallurgical Engineer. She is currently an associate full-time professor in the School of Mining and Metallurgical Engineering, and she is a member of NTUA Research Committee, which is responsible for the management of all the research funds of the National Technical University of Athens. Her current activities involve research on technology development for the processing of ores and industrial minerals; development of energy efficient processes; design and techno-economic evaluation of new production processes; development of high-added value products from ores and industrial minerals for the construction and chemical industry; assessment of the environmental impact and LCA of products and processes. She has authored or co-authored 80 research papers and she has been granted one national and two international patents. She is a regular reviewer of several international journals in the field of metallurgical engineering, and she has participated in more than 65 European funded research projects. Currently, she is the executive director of the NTUA spin-off company, Lightcoce.

Emmanuel Tsontakis



Emmanuel was born in Greece and currently lives in Athens. He has over 30 years of experience working with industrial minerals. Emmanuel held various leadership positions at S&B Industrial Minerals (later Imerys) working in perlite production, research and technical development, and business development. He lived in China for four years where he worked as General Manager, and later served as Perlite Operations Director (Greece, Italy and Turkey) as well as General Manager/ Mediterranean and Black Sea (Perlite, Bentonite, Bauxite and Zeolite in Greece, Bulgaria, Turkey, Italy, Spain, Morocco and Georgia). Emmanuel participated in various expanded perlite working groups during the process of EU Standards development. He has also served as Managing Director at Terna Mag SA, a leading Greek magnesite/magnesia producer. Emmanuel currently works freelance and co-operates as Sales Partner at VIORYP. He holds an MSc in Chemical Engineering and an MBA.

Chuck Vogelsang



Chuck Vogelsang has over 40 years of operational and technical background working with a variety of plants throughout the world to make improvements—improvements in both processes and costs. From a perlite industry standpoint, he has been in more than 100 perlite expansion plants and 10 ore mills and mines. He has been extensively involved with systems that make horticulture, construction, insulation, filter aid and filler type expanded grades.

Chuck has been involved with many products that were devoted to the needs of the customers and how to change or make a product for a specific application. He believes that the ultimate judge is the customer who votes on the acceptability and value of material with their money.

Hotel & Travel Information



Hotel

**Divani Apollon
Palace & Thalasso**
10 Agiou Nikolaou Str.
166 71 Vouliagmeni
Athens, Greece

Hotel Parking

Valet Parking

Valet parking is available at the hotel at an extra charge of 15 euros per day.

Airport

Athens International Airport
“Eleftherios Venizelos” (ATH)
Attiki Odos, Spata 190 04, Greece
www.aia.gr

Airport Transportation

Taxi

Taxis are available at the designated Taxi waiting area located at Exit 3 of Arrivals Level.

Fares for taxis are as follows:

Day Time Flat Fare (05:00 - 24:00)

40 € Airport to Athens city centre inner ring
40 € Athens city centre inner ring to Airport

Night Time Flat Fare (00:00 - 05:00)

55 € Airport to Athens city centre inner ring
55 € Athens city centre inner ring to Airport

Note: The charge is determined by the time of arrival at the destination and includes all applicable surcharges and extras.

Pre-Booked Taxis

Pre-booked taxis are available upon request. For further information, please contact the Taxi Union Association (SATA) at tel.: +30 210 5239524 or at email syndikatotaxi@gmail.com.

Notice: According to the Greek Legislation, taxi drivers should provide a receipt for the amount paid for transportation services.

Car Rentals

Currently there are 6 car rental companies operating at the Athens International Airport.

Their offices are located at the Arrivals Level of the Main Terminal Building.



Perlite Institute 2023 Annual Meeting

September 17 – 20, 2023 • Athens, Greece

Registration Deadline is September 1 • Cancellation Deadline is September 8

Cancellations must be received in writing on or before the cancellation deadline to receive a full refund less a \$25 service fee plus any processing fees.

Please complete one form per attendee (duplicate as needed).

Attendee Information

Attendee Name (as it should appear on badge): _____

Business Name: _____

Business Address: _____

City: _____ State: _____ Zip: _____ Country: _____

Phone: _____ Cell: _____

Email: _____

Registration Rate:

- Member: \$1850 Non-Member: \$1850 plus dues* Spouse/Companion: \$950 (Applies to only those not in the industry and includes all meals, receptions, and tours.)

*Dues must be remitted only for the first registrant from a company and are based on your category of membership. Please contact the Perlite Institute to obtain a membership application or visit perlite.org.

Meal Preference: Standard Vegetarian Gluten-free Pescatarian

Please check the events you plan to attend:

- Sunday, September 17 – Tour of Athens Tuesday, September 19 – Lunch
 Sunday, September 17 – Reception Tuesday, September 19 – Annual Dinner
 Monday, September 18 – Lunch Wednesday, September 20 – Lunch and Business Meeting
 Monday, September 18 – Reception Wednesday, September 20 – Milos Tour

Emergency Contact and Special Needs

Name of non-attending contact: _____

Phone: _____ Cell: _____

Please indicate if you have any special dietary needs or require special accommodations to fully participate:

PAYMENT INFORMATION

AMOUNT DUE: US\$ _____

- Check (made payable to "The Perlite Institute" in USD) Visa MasterCard Discover AmEx Wire Transfer

*Please contact finance@perlite.org for wire transfer details.

Card Number: _____ Exp. Date: _____ 3-Digit Security Code: _____

Cardholder Name (please print): _____

Cardholder Signature: _____

Billing Address (if different from above): _____

City: _____ State: _____ Zip: _____ Country: _____