



RECENT ENGINEERING ADVANCES IN CYBER-PHYSICAL SYSTEMS, ADVANCED MATERIALS FOR ENERGY APPLICATIONS, AND WATER/WASTEWATER/ ENVIRONMENTAL MANAGEMENT SYSTEMS

Date: Workshop: May 12, 2016 | Local tour: May 13, 2016

Venue: Grand Resort Hotel, Limassol, Cyprus: <http://www.grandresort.com.cy/>

Scope: This workshop will bring researchers together from the University of Cyprus, Texas A&M University, Texas A&M University at Qatar, and other Cyprus universities to discuss the latest research advances in the areas of smart grid systems, advanced materials for energy applications and energy/environment. Attendees represent institutions that have proven strengths in these areas. The workshop aims to establish and strengthen collaborations among the participating researchers/universities and explore venues in which to further advance these collaborations. There is also interest in establishing student exchange programs and summer programs,

KEYNOTE SPEAKERS

Cyber-physical systems: Dr. P. R. Kumar, NAE Member, Engineering Chair in Computer Engineering, Distinguished Professor, Texas A&M University

Advanced materials: Dr. K.R. Rajagopal, J.M. Forsyth Chair, Regents Professor & Distinguished Professor, Texas A&M University



ABOUT

The School of Engineering at the University of Cyprus and its four major research centers:
ucy.ac.cy/fae/en/departments

The College of Engineering at Texas A&M University:
engineering.tamu.edu

TECHNICAL PROGRAM Thursday, May 12, 2016

8:30 - 9:00 a.m. — Opening remarks
9:00 - 9:45 a.m. — Keynote 1: Cyber-physical systems
9:45 - 10:30 a.m. — Keynote 2: Advanced materials
10:30 - 11:00 a.m. — Networking
11:00 - 1:00 p.m. — Break-out sessions and faculty presentations
1:00 - 2:00 p.m. — Lunch
2:00 - 3:45 p.m. — Break-out sessions and discussion
3:45 - 4:00 p.m. — Break
4:00 - 5:00 p.m. — Summary reports of break-out sessions/Closing remarks
8:00 p.m. — Dinner at Karatello Tavern

Workshop Chairs: Dr. Andreas Polycarpou, Texas A&M University and Dr. Christoforos Hadjicostis, University of Cyprus

Advisory Committee: Dr. Robin Autenrieth, Dr. Miroslav Begovic, Dr. Costas Georghiades, Dr. Narasimha Reddy, Texas A&M University



TECHNICAL TRACK LEADS/ORGANIZING COMMITTEE

Water/Wastewater/Environmental Management Systems:

- Dr. Despo Fatta-Kassinou, University of Cyprus: <http://www.eng.ucy.ac.cy/GAIA/research-group.htm>
- Dr. Shankar Chellam, Texas A&M University: <https://engineering.tamu.edu/civil/people/chellam-shankar>

Cyber-Physical Systems and Critical Infrastructure Protection:

- Dr. Charalambos (Bambos) Charalambous, University of Cyprus: <http://www.eng.ucy.ac.cy/chadcha>
- Dr. Marios Polycarpou, University of Cyprus: <http://www2.kios.ucy.ac.cy/polycarpou/>
- Dr. Miroslav Begovic, Texas A&M University: <https://engineering.tamu.edu/electrical/people/begovic-miroslav>

Advanced Materials for Energy Applications:

- Dr. John Giapintzakis, University of Cyprus: <http://ucy.ac.cy/dir/en/component/comprofiler/userprofile/giapintz>
- Dr. Ying Li, Texas A&M University: <https://engineering.tamu.edu/mechanical/people/li-ying>



INITIAL GOALS OF COLLABORATION WITH THE UNIVERSITY OF CYPRUS:

- Identify research themes and lead persons to organize breakout sessions, including PV, smart grid, nanomaterials and water
- Assess how the need for Ph.D. students and post docs at TAMU Qatar could be leveraged at Texas A&M and the University of Cyprus
- Explore opportunities for Erasmus plus program (allows UG student exchanges)
- Summer courses (several different models)
- Senior design projects to identify potential senior undergraduate students from the University of Cyprus (with prospective recruitment for Ph.D. studies at Texas A&M)
- Co-advising graduate students (courtesy appointments)

CONTACT US

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SOCIAL PROGRAM

Friday, May 13: Afternoon excursions with a tour company to tour Cyprus (optional, see below)

- **Pafos-Kourion:** The ancient city of Kourion is the first stop and the most spectacular site is the Greco-Roman theatre that has been completely restored and is used today for open-air musical and theatrical performances. See the private houses of the late Roman period with fascinating mosaics.
- **Aphrodite's Rock:** This is where the Goddess of Love and Beauty was born. Rumor has it that to swim around the rock brings good luck.
- **Pafos Town:** The ancient capital city of Cyprus.
- **Catacombs of St. Solomon:** Walk through the catacombs and inside the caves and chambers.
- **The Pillar of St. Paul:** Where he was bound and lashed as a punishment for preaching Christianity before he managed to convert the Roman governor to Christianity. From the old Pafos port area the Venetian fort, you will go to discover a nearby archaeological city (explore the house of Dionysus, Roman villa, floor mosaics). Cyprus was under the Roman command 2000 years ago. Their villas were decorated with mosaic floors and are considered to be the finest not only in the Mediterranean area but in the whole world, as the Pafos mosaics are very well preserved. You will have some free time to wander around the old port area and enjoy lunch or a snack in one of the many attractive restaurants and cafes. On our return, you will have an opportunity to taste the famous Pafos Delights "Loukoumia" as you visit Geroskipou village.

8 hours, 40 euros