

5th announcement / 2nd Hybrid (physical-virtual real-time) Workshop in "Innovative Seismic Protection and Structural/Community Resilience" Saturday 2nd of September - Monday 4th of September 2023, place: Civil Engineering Department, Democritus University of Thrace (DUTH), Conference Center, Xanthi, Greece.

Workshop Main Topics:

Deficient RC structures in need of proactive assessment and interventions

Innovative intervention techniques in seismic protection of RC structures

Novel Materials for seismic protection of RC structures

Advanced instrumentation of structures in the field and lab

Recording of the dynamic response of structures in the field and lab

Biomechanics in Seismic protection of RC structures

Structural Resilience

Community Resilience

Green and resilient approaches in architectural design: energy retrofit and construction

Critical resilience indices

Resilient Consortiums

Resilient Policies

Climate Resilience

Sustainable Green Materials, Biomaterials, Bioproducts and Biowaste

Resilient Academia

50 years of DUTH

Resilient Schools

Resilient Local Administration

Resilient Critical Infrastructure and Systems

Fire Service

Health System (Hospitals etc)

Transportation Network (Bridges, traffic etc)

Democritus Thought

Any other to be added...

Interested colleagues may submit proposal for **10 min presentation, title and preferred day and time** as soon as possible and ~~until Saturday 5th of August~~ **until Sunday 27th of August (extended)**

Fixed keynote lectures:

- Monday morning first 9:00 – 10:00, 4th of September, Keynote lecture 1 by Prof A. Matzarakis in

Session on warning systems: Title: Meteorological warnings as examples for prevention and communication

Extraordinary Prof. in Biometeorology, University of Freiburg, Germany, Dr. Andreas Matzarakis is Head of the Research Centre Human Biometeorology of the German Meteorological Service (Zentrum für Medizin-Meteorologische Forschung, Deutscher Wetterdienst (DWD)) (among else)

- Saturday morning first 9:00 – 10:00, 2nd of September, Keynote lecture 2 by Prof A. Ilki in

Session on Seismic Protection 1: Title: Damage Assessment System in Turkey and Modification Suggestions In the Light of February 2023 Earthquakes

Prof in Structural Engineering, Top Researcher in Civil Engineering Department, Istanbul Technical University, A. Ilki is Head of Turkish National Delegation to fib and AFAD Disaster and Emergency Advisory Board Member (among else)

- Saturday afternoon 13:10-13:55, 2nd of September, Keynote lecture 3 by Prof Y. Wu in

Session on Seismic Protection 2: Title: Failure localization and its mitigation.

Distinguished Professor in the College of Civil and Transportation Engineering, Shenzhen University, China as well as a professor in the School of Engineering, RMIT University, Melbourne, Victoria, Australia, Y. Wu is a National Distinguished Expert for China, winner of 2 prizes of the National Science and Technology Progress Award and awarded the Moisseiff Medal by the ASCE in 2018.

- Saturday evening 18:50-19:30, 2nd of September, A, Keynote lecture 4 by Prof Konrad Bergmeister, Angeliki Kosta, Makrini-Paraskevi Macha in

Session on Sustainable, Green Infrastructure: Title: Green Infrastructures: Circular Economy-driven life-cycle assessment

Prof at BOKU, University of Natural Resources and Life Sciences, Vienna, Austria, Konrad Bergmeister is Head of the Institute in Structural Engineering, Head of Austrian fib National Delegation, Coordinator of Austrian WG of Sustainability in Civil Engineering and chief editor of the journal "Beton - + Stahlbetonbau" (Concrete + Reinforced Concrete Structures) and editor of the "Betonkalender" with Fingerloos, Wörner (among else)

Angeliki Kosta PhD-Student at BOKU, University of Natural Resources and Life Sciences, Vienna, Austria, before alumni of Assist. Prof. Dimitra Achilopoulou, Democritus University of Thrace

Makrini-Paraskevi Macha PhD-Student at BOKU, University of Natural Resources and Life Sciences, Vienna, Austria, before alumni of Prof. Theodoros Rousakis, Democritus University of Thrace

- Saturday evening 18:10-18:40, 2nd of September, A, Keynote lecture 5 by Dr. K. Kouravelou in

Session on Resilient Research and Innovation Policies: Title: Community Resilience: The Role of the Hellenic Foundation for Research and Innovation

Dr. K. Kouravelou is Director of the Hellenic Foundation for Research and Innovation (HFRI / ΕΑΙΔΕΚ)

- Monday morning 2nd 11:40 – 12:10, 4th of September, Keynote lecture 6 by Assoc. Prof I. Dokas in

Session on Community Resilience: Title: Community Resilience Against Cascading Disastrous Events – The Role of Risk and Resilience Assessment Centre

Assoc, Prof. in Civil Engineering Department, Democritus University of Thrace, I. Dokas is Head of Risk and Resilience Assessment Centre Project, DUTH, Xanthi

- Sunday evening 17:00-19:00, 3rd of September, Keynote lecture 7 by Prof M. Constantinou in

Session on Seismic Protection: Title 1: HISTORY OF SEISMIC PROTECTIVE SYSTEMS 500BC TO 2023

Title 2: EXAMPLES OF RETROFIT OF BUILDINGS, BRIDGES AND THE INFRASTRUCTURE USING SEISMIC ISOLATION

Title 3: THREE-DIMENSIONAL SEISMIC ISOLATION: DEVELOPMENTS, CHALLENGES AND BENEFITS

Prof in Department of Civil, Structural and Environmental Engineering, University at Buffalo, The State University of New York, USA, M. Constantinou is Editor of Earthquake Engineering and Structural Dynamics Journal, Samuel P. Capen Professor and SUNY Distinguished Professor, recipient of the 1988 Presidential Investigator Award, of the 2005 American Society of Civil Engineers (ASCE) Civil Engineering Research Foundation Pankow Award, of three professional practice awards: the 1994 United States General Services Administration Design Award for the structural strengthening of the US Court of Appeals Building in San Francisco, the 2002 Diamond Award and the 2002 Grand Award of the American Council of Engineering Companies, of the 2015 ASCE Moisseiff Award and was the 2015 ASCE Nathan M. Newmark Medal recipient. He received an honorary doctorate degree from the University of Patras in 2019, and a Distinguished Alumni Award from Rensselaer Polytechnic Institute in 2022.

- Monday afternoon 16:15 – 16:50, 4th of September, Keynote lecture 8 by Prof A. Fam in

Session on Structural Resilience and Critical Bridge Infrastructure: Title: Recent Advances in Bridge Deck Design and Testing Methods

Dr. Amir Fam is FACI, FPCI, FCSCE, FASCE, FIIFC, FCAE, FEIC, FEC, Peng, Professor, Department of Civil Engineering Faculty of Engineering and Applied Science Queen's University Kingston, ON, Canada, Donald and Sarah Munro Chair in Engineering and Applied Science and Vice-Dean (Research),

Canada Research Chair in Innovative and Retrofitted Structures (2003-13),

President of International Institute for FRP in Construction (IIFC)

<https://www.iifc.org/>

Co-Editor, Canadian Journal of Civil Engineering

<http://www.nrcresearchpress.com/journal/cjce>

- Sunday noon 13:50 – 14:20, 3rd of September, Keynote lecture 9 by Prof A. Kwiecien with title: Innovative intervention techniques in seismic protection of RC structures: Why flexible adhesives can be more effective than stiff ones in seismic areas?

A. Kwiecien is Prof. in Structural Mechanics and Dynamics, Faculty of Civil Engineering at Cracow University of Technology in Poland. He developed scientifically an original method of repairing structures using polymer flexible joints. He founded the FlexAndRobust System spin-off company at the Cracow University of Technology and became its CEO. He is active as a member of ICOMOS and ISCARSAH, as well as the RILEM and COST Action committees.

- Sunday evening 19:10-20:10, 3rd of September, Keynote lecture 10 by Prof. D. Dimitriou with title: Interoperability of Supply Chain and Critical Infrastructures towards Community and Business Ecosystem Resilience

Dimitrios Dimitriou is Prof. and Head of Dept of Economics, Laboratory MaGBISE, PI Research Infrastructure: ENIRISST+, Democritus University of Thrace

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to be added

Organization:

Civil Engineering Department, Democritus University of Thrace (DUTH), Greece

Laboratory of Reinforced Concrete and Seismic Design of Structures, DUTH, Xanthi (Prof. C. Chalioris, Assoc Prof. T. Rousakis)

Institute of Statics and Dynamics of Structures, DUTH, Xanthi (Prof. A. Elenas, Assist. Prof. I. Kavvadias)

Laboratory of Building Materials, DUTH, Xanthi (Prof. K. Sideris)

Laboratory of Building Construction, (Assist. Prof. D. Tsigirioti)

Laboratory of Mathematics and Informatics in the Science of Civil Engineering (ISCE), DUTH, Xanthi (Prof. L. Iliadis, Prof. B. Papadopoulos, Assist. Prof. A. Konguetsof)

Laboratory of Physical Education and Sport, DUTH, Department of Physical Education & Sport Sciences, Komotini (Prof. N. Aggelousis)

Laboratory MaGBISE, PI Research Infrastructure: ENIRISST+, Department of Economics, Democritus University of Thrace, Komotini (Prof. D. Dimitriou, Head of Dept of Economics)

Risk and Resilience Assessment Centre Project, DUTH, Xanthi (Head Assoc. Prof. I. Dokas)

Civil Engineering Faculty, Istanbul Technical University (ITU), Turkey (*Prof A. Ilki*)

Cracow University of Technology, Faculty of Civil Engineering (CUT), Poland (*Prof Arkadiusz Kwiecien*)

Chair of Structural and Earthquake Engineering, Faculty of Civil Engineering, University of Ljubljana, Slovenia, (*Assist. Prof. M. Gams*)

UP, (*Prof A. Viskovic*)

Slovenian National Building and Civil Engineering Institute; Section for timber Structures (ZAG) (Dr. B. Azinovic)

FlexAndRobust Systems Sp. z o.o. (FAR), Poland, (A. Kwiecien)

Department of Architecture and Civil Engineering, City University of Hong Kong (CityU), Hong Kong (Assoc. Prof. D. Lau)

Architektur und Bauingenieurwesen, TU Dortmund University, Dortmund, Germany (Prof P. Spyridis)

Dept. of Structures for Engineering and Architecture, University of Napoli Federico II, Napoli, Italy (Prof. A. Prota, Prof. M. Di Ludovico)

Dept of Engineering, University of Sannio, Benevento, Italy (Prof. C. Del Vecchio)

Linnaeus University, Sweden (Prof W. Derkowski)

Department of Disaster Mitigation for Structures, College of Civil Engineering, Tongji University, Shanghai, China (Assoc Prof. J. Jiang)

Imperial College London, UK (Assoc Prof. Malaga- Chuquitaype)

University of Freiburg, Germany (Prof. A. Matzarakis)

Guangdong Provincial Key Laboratory of Durability for Marine Civil Engineering,
Shenzhen University, China (Prof Yufei Wu)

School of Engineering, RMIT University, Melbourne, Victoria, Australia (Prof Yufei
Wu)

Queen's University, Kingston, Canada (Prof. Amir Fam)

University "LA SAPIENZA" of Roma, Italy (Assoc Prof Nicola Nisticò)

IPTPN SB RAS, Russia (Prof. V. Lepov)

"Ss Cyril and Methodius" in Skopje Institute of Earthquake Engineering and
Engineering Seismology (IZIIS), North Macedonia (Prof Z. Rakicevic, Assoc. Prof A.
Bogdanovic)

Norwegian University of Life Sciences, Oslo, Norway (Assoc Prof Themistoklis
Tsalkatidis)

University of Glasgow, UK (Lecturer D. Achillopoulou)

Centre for Infrastructure Engineering, Western Sydney University, Australia (Dr C.
Jiang)

BOKU, University of Natural Resources and Life Sciences, Vienna, Austria (Prof. K.
Bergmeister)

Department of Civil, Structural and Environmental Engineering, University at Buffalo,
The State University of New York, USA (Prof. M.C. Constantinou)

Tashkent University of Architecture and Civil Engineering (TAQU), Tashkent,
Uzbekistan (Assoc. Prof. C. Goksu, also in ITU, Turkey)

Aristotle University of Thessaloniki, AUTH, Greece

*Laboratory of Applied Thermodynamics, Mechanical Engineering dpt., (Dr. D.
Christoforidis, Research & Teaching Associate)*

Civil Engineering Dpt, (Assist. Prof G. Manoukas)

*Civil Engineering Dpt, Laboratory for Experimental Strength of Materials and
Structures (Assoc. Prof. K. Katakalos)*

International Hellenic University, Thessaloniki, Greece (Prof. K. Papatheodorou)

Institute of Structural Engineering (IBK), of the Department of Civil, Environmental and Geomatic Engineering (DBAUG), ETH Zürich (Assist. Prof. M. Vassiliou, Chair of Seismic Design and Analysis)

Product-Life Institute, Geneva, Switzerland (Europe's oldest sustainability-based consultancy and think tank founded 1982, Director W. Stahel)

Association of Friends of Democritus and of Democritus University of Thrace CIND

KEBE SA (A. Kothalis)

Sika Hellas ABEE (Dr. N. Anagnostopoulos)

Sapalidis Engineering Office

Administration of Primary Schools of Xanthi, (E. Stylianidou)

Cultural Association PAS Antika, Xanthi (P. Moumtzakis)

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Please add

Organizing committee

Updated Organizing committee

DUTh, Prof. C. Chalioris, Assoc Prof. T. Rousakis, Prof. A. Elenas, Assist. Prof. I. Kavvadias, Prof. K. Sideris, Prof. B. Papadopoulos, Prof. L. Iliadis, Assoc. Prof. I. Dokas, Assist. Prof. A. Konguetsof, Assist. Prof. D. Tsirigoti, Prof. N. Aggelousis, Prof. D. Dimitriou, Assoc. Prof. Vasiliadis,

Dr. E. Golias, Dr. V. Kytinou, Dr. M. Naoum, Dr. M. Falara, Dr. A. Thomoglou, Dr. K. Bantilas, Dr. T. Fanaradelli, Dr. V. Kanakaris, Dr. E. Anagnostou

P. Tsompanaki, S. Ioakeimidou, O. Chavra

Dr. P. Karatzoglou

ITU, Prof A. Ilki, C. Goksu

CUT, Prof A. Kwiecien

UL, Assist. Prof M Gams

UP, Prof A. Viskovic

ZAG, Dr. B. Azinovic

CityU, Assoc. Prof. D. Lau

TUD, Prof P. Spyridis

University of Napoli Federico II, Prof. A. Prota, Prof. M. Di Ludovico

University of Sannio, Prof. C. Del Vecchio

Linnaeus University, Prof W. Derkowski

TONGJI, Assoc Prof. J. Jiang

Imperial, Assoc Prof. Malaga- Chuquitaype

Freiburg, Prof A. Matzarakis

Shenzhen University GDDCE, Prof Yufei Wu

RMIT, Prof Yufei Wu

Queen's University, Prof. A. Fam

La Sapienza, Assoc Prof N. Nisticò

IPTPN SB RAS, Prof V. Lepov

IZIIS, Prof Z. Rakicevic, Assoc. Prof A. Bogdanovic

NMBU, Assoc Prof T. Tsalkatidis

University of Glasgow, Lecturer D. Achilopoulou

CIE, WSU, Dr C. Jiang

BOKU, Prof. K. Bergmeister

UB, The State University of New York, Prof. M.C. Constantinou

TAQU Tashkent University, C. Goksu

MechEng, AUTH, Dr. D. Christoforidis

CivEng, AUTH, Assist. Prof G. Manoukas

IHU, Prof. K. Papatheodorou

IBK, DBAUG, ETH, Assist. Prof. M. Vassiliou

8th Primary school of Xanthi, T. Makrogiannopoulos (director, teachers)

14th Primary school of Xanthi, E. Efthimiou, M. Papasimakopoulou, S. Doulgeraki, S. Plastara, A. Padaka, E. Papadopoulos, M. Teza (director, teachers)

15th Primary school of Xanthi, E. Siakas, (director, teachers)

Gymnasium of Stavroupolis Xanthi, C. Kalpakidou, (director, teachers)

7th Gymnasium of Xanthi, Dr. P. Karatzoglou (director, teachers)

Cultural Association PS Antika, P. Moumtzakis

KEBE SA (A. Kothalis)

Sika Hellas ABEE (Dr. N. Anagnostopoulos)

Sapalidis Engineering Office

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Please add

PhD students and Postgraduates

DUTH, A. Papaleonidas, P. Lazaridis, V. Vaniyan, M. Karampini, A. Zapis, N. Papadopoulos, G. Sapidis, L. Naumovski, D. Bountas, A. Giannaros, A.P. Psathas, A.

Pechtelidis, V. Dimitriou, A. Maniatopoulos, S. Papadopoulou, C. Kalpakidou, A. Daniilidou,

BOKU, University of Natural Resources and Life Sciences, Vienna: A. Kosta, MSc, M. Macha, MSc

University Graduates and Undergraduates and High School Graduates

DUTH and AUTH, Civil and Electr. and Computer and Environmental and Chemical Engineering and Economics: S. Kellis, G. Karasakalidis, T. Gaintatzis, D. Kaliabakas, M. Kalivas, O. Karalagia, M. Matsala, V. Michail, Z. Xatziparaskeva, E. Ziara, A. Christoforidis, S. Alvanou, P. Theodosiou, E. Kaloudaki, M. Papageorgiou, E. Bourbouni, A. Kourti, E. Chaitas, G. Karakasis, A. Tsantekidis, M.R. Tziatara, A. Sapalidis, I. Xynopoulos, I. Arsoniadis, F. Petrakis, T. Kazantzidis, G. Tsakalagos, G. Koukourigkos, A. Katsaros, C. Kargidou, Z. Skouteli, I. Maragkou, M. Panti, C. Vekidimitriadis, V. Navrozidis, P. Tzitzos, G. Kougioumtzis, K. Efthimiadis, M.V Kyrka, A. Karfaki, K. Chatzigrivas, P. Kitou,

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Sapalidis Engineering Office

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Please add

*Interested colleagues may submit proposal for **10 min presentation, title and preferred day and time** as soon as possible and ~~until Saturday 5th of August~~ until **Sunday 27th of August** (extended), to the following contact :

Theodoros Rousakis trousak@civil.duth.gr

tel 00306977421569

or any other member of the organizing committee

*Interested sponsors may contact trousak@civil.duth.gr

or any other member of the organizing committee

The 2nd workshop coincides with the anniversary for the 50 years of Democritus University of Thrace!



The 2nd workshop takes place during the folklore cultural and live-music OLD TOWN FESTIVAL 2-9 of September in XANTHI !

<https://cultureofxanthi.gr/giortes-palias-polis/>

Links related to our last 1st Hybrid (physical-virtual real-time) Workshop in “Innovative Seismic Protection of Structural Elements and Structures with Novel Materials”, Friday 24th of February, place: Civil Engineering Department DUTH, Conference Center, Xanthi, Greece
<https://www.linkedin.com/events/workshopininnovativeismicprot7031406133583982592/comments/>

<https://civil.duth.gr/2023/02/21/update-on-hybrid-physical-virtual-real-time-workshop-in-innovative-seismic-protection-of-structural-elements-and-structures-with-novel-materials-friday-24th-of-february/>

<https://civil.duth.gr/2023/02/28/post-event-update-hybrid-physical-virtual-real-time-workshop-in-innovative-seismic-protection-of-structural-elements-and-structures-with-novel-materials-friday-24th-of-february-place-civil/>

The more your active support, participation and presentation(s) are targeted to the resilient community, The more we can do all critical urgent collaborative networking jobs simultaneously before, during and after the workshop. This is the main idea for organizing these workshops - the topics are open in general and especially open to society, different stakeholders.

If you have time please see in example these videos from February workshop prepared within 5 days from schools without our support, expressing their awareness in saving their lives and of other teachers and pupils through their earthquake readiness drills and message of solidarity to Turkish pupils...:

especially video of 3rd Primary School

<https://blogs.sch.gr/3dimxan/2023/03/02/de-fovamai-ton-seismo-otan-xero-na-energo/>

https://drive.google.com/file/d/1pCFTFsVd6HrvZ31Rr8t_hs7CGgG8x7Ob/view?usp=sharing

it ends with a nice message of solidarity between people in Turkey hit by earthquake and Greek people!!!

video 2 14th Primary School

<https://drive.google.com/file/d/18hy2eKm-S7bTQxgM36HtfpeGe8hTgceg/view>

<https://blogs.sch.gr/14dimxan/2023/02/23/quot-disaster-masters-quot-vid/>

exceptional!

video 3 4th Primary School

<https://youtu.be/At2Qi04Kwyg>).

Extra professional!

[Our 1st workshop was the first in the world hosting Prof Alper Ilki ITU, one of the head Civil Engineer of the academia, concerning the assessment and recovery of critical infrastructure and presenting about the catastrophic Turkey EQ](https://www.linkedin.com/feed/update/urn:li:activity:7036385311022551040?updateEntityUrn=urn%3Ali%3Afs_feedUpdate%3A%28V2%2Curn%3Ali%3Aactivity%3A7036385311022551040%29)
https://www.linkedin.com/feed/update/urn:li:activity:7036385311022551040?updateEntityUrn=urn%3Ali%3Afs_feedUpdate%3A%28V2%2Curn%3Ali%3Aactivity%3A7036385311022551040%29

<https://www.facebook.com/theodoros.rousakis/posts/pfbid0213hkFYYN6ZJssy2whn95EP59PJW2RqHRQ9f8Lv9wanAFefCxjbTpE6nLK8CiSJUI>

[A part of local organizing committee of 1st workshop](#)

https://www.linkedin.com/feed/update/urn:li:activity:7036741470447415296?updateEntityUrn=urn%3Ali%3Afs_feedUpdate%3A%28V2%2Curn%3Ali%3Aactivity%3A7036741470447415296%29

[List of supporters, organizers, presenters, sponsors/donors is always OPEN!](#)

[Link google form](#)

First comes, first gets!

Links related to 2022 *folklore cultural and live-music OLD TOWN FESTIVAL in XANTHI* (γιορτές παλιάς πόλης Ξάνθης)

Program

<https://drive.google.com/file/d/1dnuBSnCrnAspC8fpRlvMxaYzZi-N7ypJ/view?pli=1>

<https://cultureofxanthi.gr/giortes-palias-polis/>

<https://cultureofxanthi.gr/syllogoi/>

<https://www.facebook.com/groups/146886205560>

https://www.google.com/search?rlz=1C1GCEA_enGR776GR776&sxsrif=APwXEddi5tb7Qug6ShgC23FLSGH00zDOHg:1687016097466&q=%CE%B3%CE%B9%CE%BF%CF%81%CF%84%CE%B5%CF%82+%CF%80%CE%B1%CE%BB%CE%B9%CE%B1%CF%82+%CF%80%CE%BF%CE%BB%CE%B7%CF%82+%CE%BE%CE%B1%CE%BD%CE%B8%CE%B7+2022&tbm=isch&sa=X&ved=2ahUKEwjB1eDZ0Mr_AhXfYPEDHcE7CjkQ0pQJegQICxAB&biw=1536&bih=664&dpr=1.25

https://www.google.com/search?q=%CE%B3%CE%B9%CE%BF%CF%81%CF%84%CE%B5%CF%82+%CF%80%CE%B1%CE%B%CE%B9%CE%B1%CF%82+%CF%80%CE%BF%CE%BB%CE%B7%CF%82+%CE%BE%CE%B1%CE%BD%CE%B8%CE%B7+2022&source=lmns&tbm=vid&bih=664&biw=1536&rlz=1C1GCEA_enGR776GR776&hl=el&sa=X&ved=2ahUKEwigleDa0Mr_AhXE0qQKHSrED7oQ_AUoA3oECAEQAw