

LEONARDO DA VINCI

Community Vocational Training Action Programme

Second phase: 2000-2006

ILTOF

Innovative Learning and Training On Fracture

2nd ILTOF
Meeting

Alexandroupolis,
Greece

11-12 May, 2007

2nd Meeting

11-12 May, 2007

Alexandroupolis, GREECE

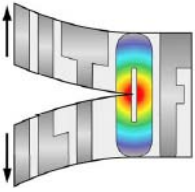
LAMDUT

Laboratory of Applied Mechanics

Democritus University of Thrace (DUTH)

Professor E.E. Gdoutos





*The staff of the Laboratory of Applied
Mechanics of
Democritus University of Thrace (LAMDOT)*

Welcomes to Alexandroupolis

*the representatives of the ILTOF partners
attending the works of the*

2nd ILTOF Meeting

May 11-12, 2007

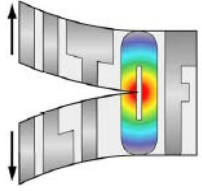
We wish you a pleasant stay

*2nd ILTOF
Meeting*

*Alexandroupolis,
Greece*

11-12 May, 2007





AGENDA

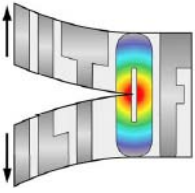
- 9.00: Welcome to the Participants (E.E. Gdoutos)
- 9.30: Presentation of DUTH and LAMDUT (E.E. Gdoutos)
- 10.00:
- 11.00: Coffee-break
- 14.00: Lunch

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Democritus University of Thrace (DUTH)



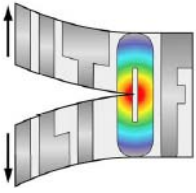
Democritus University of Thrace (D.U.TH) was established in July 1973.

It was named after the ancient Greek philosopher Demokritos who was born in Avdira, **Thrace**, an administrative district of Greece

- 500 members of teaching and research staff
- A total of ~18,000 undergraduate students are currently enrolled

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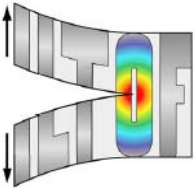
Democritus University of Thrace (DUTH)

DUTH is organized in 2 Faculties and 18 Departments located in 4 cities of Thrace:

➤ Xanthi

- Faculty of Engineering
 - Department of Civil Engineering
 - Department of Electrical and Computer Engineering
 - Department of Environmental Engineering
 - Department of Architectural Engineering
 - Department of Production and Management Engineering





Democritus University of Thrace (DUTH)

➤ Komotini

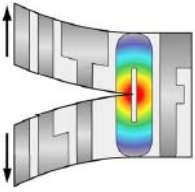
- Department of Law
- Department of Physical Education and Sport Science
- Department of History and Ethnology
- Department of Greek Literature
- Department of Social Administration
- Department of International Economic Relations and Development
- Department of Languages, Literature and Culture of the Black Sea Countries

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Democritus University of Thrace (DUTH)

➤ Alexandroupolis

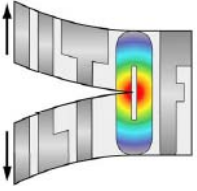
- Department of Medicine
- Department of Molecular Biology and Genetics
- Faculty of Educational Sciences
 - Department of Primary Level Education
 - Department of Education Sciences in Pre-School Age

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Democritus University of Thrace (DUTH)

➤ Orestiada

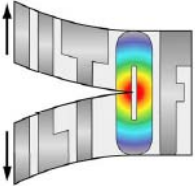
- Department of Agricultural Development
- Department of Forestry & Management of the Environment and Natural Resources

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LAMDUT

Laboratory of Applied Mechanics, Section of Mechanics
Department of Civil Engineering, School of Engineering,
Xanthi, Greece

➤ Research Staff

Professor E.E. Gdoutos (Director)

Associate Professor D.A. Zaxaropoulos

Associate Professor G. Papakaliatakis

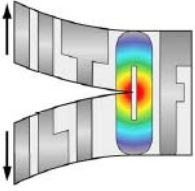
Associate Professor M.S. Konsta

➤ Testing facilities

- MTS 250 kN
- Schenck Hydroplus PSA 50kN
- Schenck 60kN
- Instron 1 kN

- Acoustic emission system
- Photoelasticity and Moire Interferometry systems for strain analysis
- Curing and environmental room-oven
- Microscopes and Lasers





LAMDUT

Laboratory of Applied Mechanics, Section of Mechanics
Department of Civil Engineering, School of Engineering,
Xanthi, Greece

➤ Teaching

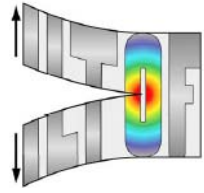
- Engineering Analysis (Statics - Dynamics undergraduate level)
- Strength of Materials (undergraduate level)
- Experimental Mechanics (graduate level)
- Fracture Mechanics (graduate level)
- Computational Mechanics (graduate level)
- Theory of Elasticity (undergraduate and graduate level)
- Composite Materials (graduate level)
- Mechanical Behavior and Durability of Concrete (graduate level)

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DUTH

was the venue of many highly successful national and international conferences in the area of solid and fracture mechanics

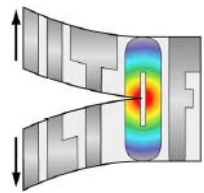
1. "International Symposium on Mechanics and Physics of Energy Density," Xanthi, Greece, 17 - 20/7/1989, (Co-Chairman E.E. Gdoutos)
2. "Fourth Greek National Congress on Mechanics," Xanthi, Greece, 26-29/6/1996, (Chairman E.E. Gdoutos)
3. "First Hellenic Conference on Composite Materials and Structures," Xanthi, Greece, 2-5/7/1997, (Chairman E.E. Gdoutos)
4. "Recent Advances in Mechanics," Xanthi, Greece, 4-6/7/1998, Co-Chairman, (Chairman E.E. Gdoutos)
5. "Symposium on Recent Advances in Composite Materials-In Honor of S.A, Paipetis," Xanthi, Greece, 12-14/6/2003, (Chairman E.E. Gdoutos)
6. "16th European Conference of Fracture, (ECF16)", Alexandroupolis, Greece, 1-7/7/2006, (Chairman E.E. Gdoutos)
7. ***13th International Conference on Experimental Mechanics, ICEM13, Alexandroupolis, Greece, 3-7/7/2007, (Chairman E.E. Gdoutos)***

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- ☒ ICEM13 Links
- ☒ Home
- ☒ Welcome
- ☒ Call for Papers
- ☒ Key Dates
- ☒ Committees
- ☒ View Symposia
- ☒ P. Stanley Symposium
- ☒ Invited Talks
- ☒ Abstract Submission
- ☒ Full Paper Submission
- ☒ Registration **NEW**
- ☒ Tentative Program
- ☒ Accepted Authors
- ☒ Exhibition
- ☒ Sponsors
- ☒ Venue - Alexandroupolis
- ☒ Accommodation
- ☒ Transportation
- ☒ E. E. Gdoutos
- ☒ Excursions
- ☒ Contact
- ☒ Committee Meetings (EURASEM)
- ☒ Previous ICEMs
- ☒ Related Conferences
- ☒ Goingtomeet.com
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ICEM13 | Call for Papers ::

ICEM 13

International Conference on Experimental Mechanics
Experimental Analysis of Nano and Engineering Materials and Structures
 Alexandroupolis, Greece, July 1-6, 2007

Chair: **Emmanuel E. Gdoutos**
 Democritus University of Thrace, Xanthi, Greece

Vice-Chair: **Janice Barton**
 University of Southampton, Southampton, UK

Honorary Chairman: **Peter Stanley**
 University of Manchester, Manchester, UK

Under the auspices of the European Association for Experimental Mechanics (EURASEM)



Sponsored by:



News

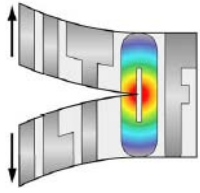
05/02/07
 Online Registration is now available

2nd ILTOF Meeting

Alexandroupolis, Greece

11-12 May, 2007





Alexandroupolis, Greece, July 1-6, 2007

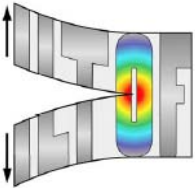
- 38 Symposia
- 15 Invited talks
- 15 parallel sessions
- 600 papers
- 6 Exhibitors
 - Springer
 - Blackwell Publishing
 - Hysitron
 - Bose Corporation (Engineered Materials)
 - Photron
 - Cedip Infrared Systems

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LAMDUT RESEARCH PROJECTS

- Total of 20 research projects
- Over \$3,000,000

2nd ILTOF
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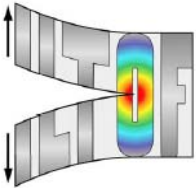
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Worth mentioning.....

Fracture Mechanics in Engineering Curriculum,
TEMPUS Structural Joint European Project,
European Union, 1994-1997





FRACTURE MECHANICS BOOKS

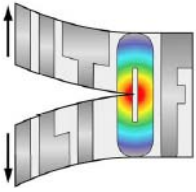
1. Gdoutos, E.E., *"Problems of Mixed-Mode Crack Propagation,"* Martinus Nijhoff Publishers, pp. i-xiv and 1-204, 1984
2. Gdoutos, E.E., *"Fracture Mechanics Criteria and Applications,"* pp. i-xii and 1-314, Kluwer Academic Publishers, 1990.
3. Gdoutos, E.E. and Sih, G.C. (eds), *"Mechanics and Physics of Energy Density,"* pp. I-VIII and 1-209, Kluwer Academic Publishers, 1992.
4. Gdoutos, E.E., *"Fracture Mechanics - An Introduction,"* pp. i-xiii and 1-307, Kluwer Academic Publishers, 1993.
5. Gdoutos, E.E., *"Solutions Manual: Fracture Mechanics - An Introduction,"* pp. i-viii and 1-196, Kyriakidis Bros Publishers, 1996.
6. Gdoutos, E.E., Pilakoutas, K. and Rodopoulos, C.A. (eds), *"Failure Analysis of Industrial Composite Materials,"* pp. i-xviii and 1-555, McGraw-Hill, 2000.

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FRACTURE MECHANICS BOOKS (continued)

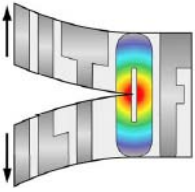
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7. Gdoutos, E.E. and Z. P. Marioli-Riga (eds), "*Recent Advances in Composite Materials - In Honor of. S. A. Paipetis,*" pp. i- xxviii and 1-381, Kluwer Academic Publishers, 2003.
8. Gdoutos, E.E., Rodopoulos, C.A. and Yates, J.R. (eds), "*Problems of Fracture Mechanics and Fatigue – A Solution Guide,*" pp. i-xxvi and 1-618, Kluwer Academic Publishers, 2003.
9. Gdoutos, E.E., "*Fracture Mechanics – An Introduction,*" *Second Edition*, pp. i- xv and 1-369, Springer, 2005.
10. Gdoutos, E.E., (ed.), "*Fracture of Nano and Engineering Materials and Structures,*" Proceedings of the 16th European Conference of Fracture (ECF16), pp. i- I and 1-1418, Springer, 2006.





GREEK GROUP OF FRACTURE (GGF)

- Founded in May 2002 (a non-profit organization registered in Xanthi, Greece)
- President: *E.E. Gdoutos*
- 40 Members
- Its scope is basically to promote research among Greek scientists and engineers working in universities, government agencies, industries and national laboratories in the area of structural integrity and failure prevention. To achieve this goal GGF is in collaboration with international societies, like the European Structural Integrity Society (ESIS), the International Congress on Fracture, etc.
- The Greek Group of Fracture is the official Greek representative to ESIS. GGF can be considered as the Greek Chapter of ESIS.

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