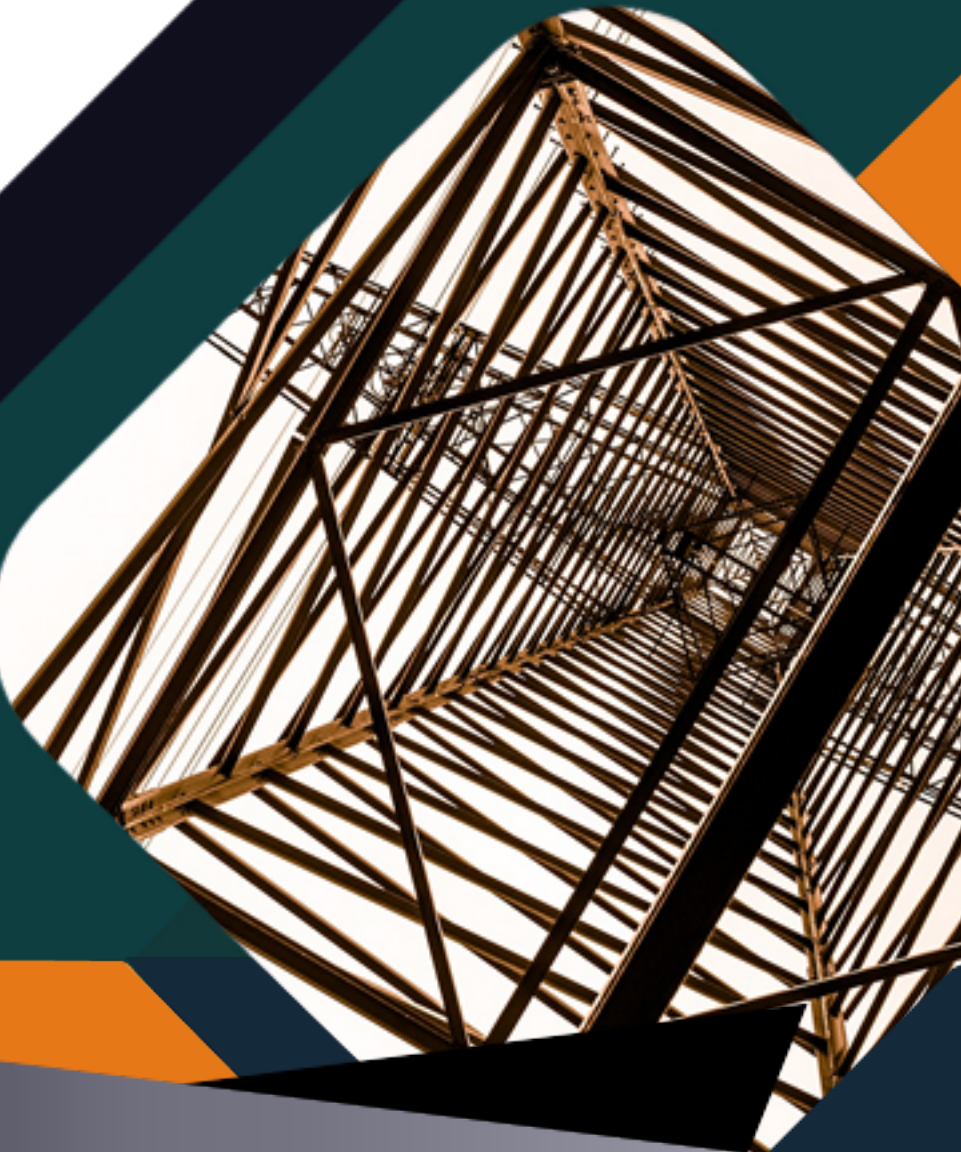


IGF Video recordings

ISBN: 978-88-31482-21-9



Workshop
Young IGF Researchers



Workshop Young IGF Researchers

July 24, 2008 – Trieste, Italy

GRUPPO ITALIANO FRATTURA (IGF) SUMMER SCHOOL

Elasticity and Stress Concentration

A New Way of Thinking

A short course by

Prof. Yukiitaka MURAKAMI

July 21—24 2008 Trieste



An *Elasticity Competition* will be held twice during the course. The Elasticity Competition is similar to the International Mathematical Olympiad. The Elasticity Competition can be challenged by all students joined in this course. Awards will be given to a few best students.

Attendants presentations - Attendants are invited to give a presentation of their current work during the school. Papers will be collected on cd and published on IGF web site. A few number of works will be selected for publication in the IGF Journal: "Frattura ed Integrità Strutturale" as extended versions. Papers should be sent before **June 15** as .doc files without pages number limits.

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VIDEO-PRESENTATIONS

Presentation title	Authors	DOI
Short presentation about actual research topics	A. Manes	https://doi.org/10.53255/IGFTUBE.WS2008_A.1
An Algorithm for automatic crack propagation modelling in three- dimensional FE models	D. Colombo	https://doi.org/10.53255/IGFTUBE.WS2008_A.2
Caratterizzazione dei Micromeccanismi di danneggiamento delle ghise sferoidali mediante prove meccaniche "IN-SITU"	V. Piacente	https://doi.org/10.53255/IGFTUBE.WS2008_A.3
Closed form solutions for the elastic and elastic-plastic stress distributions due to notches under torsion	M. Zappalorto	https://doi.org/10.53255/IGFTUBE.WS2008_A.4
Experimental Study of fatigue behaviour of Polypropylene-based micro and nanocomposites	M. Basso, A. Crevatin, M. Celotto, M. Sanità	https://doi.org/10.53255/IGFTUBE.WS2008_A.5
Damaging mechanisms in stressed 21 Cr 1 Ni ferritic austenitic stainless steel	M. Di Lucia	https://doi.org/10.53255/IGFTUBE.WS2008_A.6
A numerical method to assess the J integral in damaged structures characterized by curved surfaces	M. Minotti	https://doi.org/10.53255/IGFTUBE.WS2008_A.7
Ductile rupture mechanism in metals: issues of identification of CDM model parameters	S. De Meo	https://doi.org/10.53255/IGFTUBE.WS2008_A.8
Properties of nanocrystallized surfaces obtained by shot peening in metal alloys: a review	S. Bagheri	https://doi.org/10.53255/IGFTUBE.WS2008_A.9

