

ESIS NEWS - March 2016

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BLOG: The 13th blog discusses the paper "Cohesive zone modeling and calibration for mode I tearing of large ductile plates" by P.B. Woelke, M.D. Shields, J.W. Hutchinson, *Engineering Fracture Mechanics*, 147 (2015) 293-305. The plate is thin and the crack propagates along a necking region that transverses the plate. The local failure process is computed separately in a cross section ahead of the crack tip. The blog focuses on an initiation phase where the strength of the neck is considerably less than at steady state. The role of the wake of residual strain, the initially reduced constraint and the large rotation in the neck at initiation are discussed. A comprehensive comment is provided by Pawel Woelke. The blog is published on <http://imechanica.org/node/9794>.

Per Stähle



ECF21

Catania, Italy

June 20-24, 2016

Papers submission deadline:
20/04/2016

Hotel reservation deadline: March 25, 2016

It is warmly advised to respect this deadline. In summer, the venue is characterized by an important touristic activity. After this deadline, hotel rooms will not be guaranteed.

ESIS Summer School (Catania, June 19-20, 2016).

Registration is always open via the "[Fees payment](#)" section in the ECF21 website.

ECF21/Summer School Early bird registration: 20.04.2016

Registration and payment: "[Fees payment](#)"

ECF EVENTS

- June 18-19, 2016, [ECF21 Summer School](#), Catania, Italy.
- June 20-24, 2016, [21st European Conference of Fracture \(ECF21\)](#), Catania, Italy.
- August 26-31, 2018, 22nd European Conference of Fracture (ECF22), Belgrade, Serbia.

ESIS TC MEETINGS & ACTIVITIES

- TC11: [69th meeting](#). April 27-29, 2016. BAM, Berlin, Germany.
- TC2: 11th meeting, June 27-29, 2016, Brno, Czech Republic.
- TC4: 8th Conference on Fracture of Polymers, Composites and Adhesive, September 10-14, 2017, Les Diablerets, Switzerland.

CONFERENCES & WORKSHOPS

- March 9-11, 2016, [33 Spanish Conference on Fracture and Structural Integrity](#), San Sebastian, Spain.

OTHER EVENTS

- May 24-27, 2016, [16th International Conference on New Trends in Fatigue and Fracture \(NT2F16\)](#), Dubrovnik, Croatia.
- June 27-29, 2016, [Materials Structure and Micromechanics of Fracture \(MSMF8\)](#), Brno, Czech Republic.
- June 1-3, 2016, [International Conference on Multiaxial Fatigue and Fracture ICMFF11](#), Seville, Spain.
- July 3-7, 2016, [17th International Conference of Experimental Mechanics \(ICEM17\)](#) Rhodes, Greece.
- September 5-7, 2016, [18th International Colloquium on Mechanical Fatigue of Metals \(ICMFM XVIII\)](#), Gijon, Asturias, Spain.
- June 18-23, 2017, [ICF14-Fourteenth International](#)

[Conference on Fracture](#), Rhodes, Greece.

- June 27-29, 2017, [Eighth International Conference on Low Cycle Fatigue \(LCF8\)](#), Dresden, Germany.
- July 3-5, 2017, [Seventh International Conference on Very High Cycle Fatigue \(VHCF7\)](#), Dresden, Germany.
- July 3-5, 2017, [Fatigue 2017](#), Cambridge.



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