

ESIS NEWS - July 2016

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BLOG: The 14:th blog discusses the paper "Fracture resistance enhancement of layered structures by multiple cracks" by Stergios Goutianos and Bent F. Sørensen in *Engineering Fracture Mechanics*, 151 (2016) 92-108. The paper is valuable to anyone who is interested in enhancing fracture mechanical properties of composites. The discussion concerns a detail: The usage of the J-integral that becomes very intricate in a system where there are more than one crack and the cracks are propagating with different growth rates. The discussion concerns unresolved matters regarding the translation of the J-value to cohesive zone properties or stress intensity factors. The blog is published on <http://imechanica.org/node/9794>. Any contribution to the discussion is appreciated.

Per Stähle

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**ECF21**

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ECF EVENTS

- August 26-31, 2018, 22nd European Conference of Fracture (ECF22), Belgrade, Serbia.

ESIS TC MEETINGS & ACTIVITIES

- TC4: 8th Conference on Fracture of Polymers, Composites and Adhesive, September 10-14, 2017, Les Diablerets, Switzerland.

OTHER EVENTS

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- 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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