



**2<sup>nd</sup> International Conference on Structural Integrity (ICSI 2017)**  
**Thematic Symposium Announcement:**  
**Paris-Law Based Approaches to Fatigue Crack Growth:**  
***In memory of Paul Paris***

Organized by:

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Fatigue crack growth (FCG) is usually analysed in terms of the Paris Law  $da/dN = C (\Delta K)^m$  proposed by Paul Paris, where  $C$  and  $m$  are the Paris constants of the material.

The topics of the Special Symposium include, but are not limited to:

Fatigue crack growth (FCG).  
Crack propagation under cyclic loading.  
Structural integrity under cyclic loading.  
Paris Law-based approaches to FCG.  
Other laws of FCG (Forman, Walker, etc.).  
Overload retardation effects on FCG.  
Environmental effects on FCG.  
Computational approaches to FCG.  
Multi-scale approaches to FCG.  
Micromechanics of FCG.  
Micro- and macro-approaches to FCG.  
The Paris Law as a material property.  
On the intrinsic character of the Paris Law.  
Plasticity-induced crack closure.  
Roughness-induced crack closure.  
Role of fatigue crack closure in FCG.

Please send by email the title of your presentation together with the name, affiliation and email address of the corresponding author and the names of the co-authors to:

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Abstract must also be submitted online **before 15 March 2017** through the ICSI 2017 website (<http://icsi.inegi.up.pt/>) assigned to this specific Thematic Symposium.