



# INTERNATIONAL CONGRESS ON FRACTURE

## CALL FOR PAPERS

### ICF14

## 14<sup>TH</sup> INTERNATIONAL CONFERENCE ON FRACTURE

Rhodes, Greece  
June 18-23, 2017  
[www.icf14.org](http://www.icf14.org)



### Fatigue Performance of Materials and Surface Enhancement Processes



Shot peening



Ultrasonic peening

All abstracts must be submitted through the ICF14 website (<http://www.icf14.org>) by **October 31, 2016**, with indication to this specific symposium.

## SCOPE AND PURPOSE

This symposium scope will include shot peening, ultrasonic peening, laser shock peening and fretting fatigue. Fatigue crack often occurs in the surface layer or from surface layer. Surface Enhancement Processes can introduce the residual stress in the surface. The residual stress can significantly improve the fatigue life.

## TOPICS

The Symposium will focus on listed major areas below; however, papers on other topics are also welcome:

1. Surface enhanced layer and fatigue performance of alloys
2. Shot peening, laser peening and ultrasonic peening...
3. Surface integrity effects on fatigue performance
4. Residual stresses induced by processes
5. Fretting fatigue behaviors
6. High temperature fatigue and corrosion fatigue
7. Stress intensity factor solutions to surface enhanced layer

Should you require any further information on this Mini-Symposium, please contact the Organizing Committee.

### Important Dates:

Abstract due	→ <b>October 31, 2016</b>
Notification on Abstract	→ December 15, 2016
Papers due	→ March 31, 2017



### ICF14

## 14<sup>TH</sup> INTERNATIONAL CONFERENCE ON FRACTURE

### Mini Symposium

### Fatigue Performance of Materials and Surface Enhancement Processes

#### Organizing Chairmen:

- **Yukui Gao** (School of Aerospace Engineering and Applied Mechanics, Tongji University, China)
- **Qingxiang Yang** (Department of Materials Science and Engineering, Yanshan University, China)

*For further details for the symposium, please contact:*

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For more details on the scientific program and other related conference information, please visit:

<http://www.icf14.org>



You are warmly welcome to Rhodes, Greece. You will find this meeting to be a memorable and significant one.