



3<sup>rd</sup> Euro Congress on

# Steel and

# Structural Engineering

16 - 17 November, 2017 | London, UK

**Conference Series -America**

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA  
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**Conference Series -UK**

Kemp House, 152 City Road, London EC1V 2NX, UK  
Toll Free: +0-800-014-8923

# Opening Ceremony

## Keynote Forum

**Introduction**

- 10:00-10:45** **Title: Entrainment defects in steels**  
**John Campbell**, University of Birmingham, UK

**Group Photo @ 10:45-10:50****Networking and Refreshment Break 10:50 - 11:05 @ Breakout Area**

- 11:05-11:50** **Title: Design of seismic damage tolerant steel structures**  
**Achintya Haldar**, University of Arizona, USA
- 11:50-12:35** **Title: Moment-rotation characteristics of reverse channel connections to tubular columns**  
**Murude Celikag**, Eastern Mediterranean University, North Cyprus
- 12:35-13:20** **Title: Structural sytem identification of steel structures**  
**Jose Turmo**, Universitat Politècnica de Catalunya, Spain

**Lunch Break 13:20-14:05 @ RBG**

## Plenary Session

- 14:05-14:35** **Title: Microstructural changes in steels – recent advances in experiments and modelling**  
**Ernst Gamsjager**, Montanuniversitat Leoben, Austria
- 14:35-15:05** **Title: Abnormal grain growth in Fe-3%Si steel**  
**Nong-Moon Hwang**, Seoul National University, South Korea
- 15:05-15:35** **Title: Anisogrid lattice structures: An interesting paradigm for civil engineering**  
**Giovanni Totaro**, CIRA-Italian Aerospace Research Center, ITALY

**Sessions: Metallurgy-Steel Applications | Composites | Seismic Design | Concrete Structure | Civil Engineering****Session Chair: John Campbell**, University of Birmingham, UK**Session Introduction**

- 15:35-16:05** **Title: Double web angle connection behaviour and rigidity in existence of gusset plate**  
**Massood Mofid**, Sharif University of Technology, Iran

**Networking and Refreshment Break 16:05-16:20 @ Breakout Area**

- 16:20-16:50** **Title: Parametric study of steel fibre reinforced concrete members subjected to shear, bending and torsion**  
**Sudhir P. Patil**, Maharashtra Institute of Technology, India

## Young Research Forum

- 16:50-17:10** **Title: CO<sub>2</sub> emissions from wind turbine in kuwait**  
**Badriya Almutairi**, Loughborough University, UK
- 17:10-17:30** **Title: Novel lightweight sandwich panels with fire resistant core and a steel shell**  
**Ailar Hajimohammadi**, University of Melbourne, Australia

## Panel Discussion

**Day 2 November 17, 2017**

**Meeting hall @ Endeavor**

**Keynote Forum**

**10:00-10:45** Title: Tool and die steels in aluminum extrusion and tubular expansion applications  
Sayyad Zahid Qamar, Sultan Qaboos Univesdrity Alkhodh, Oman

**10:45-11:30** Title: Digital innovation for civil infrastructure – structural health monitoring  
Ying Wang, University of Surrey, UK

**Networking and Refreshment Break 11:30-11:45 @ Breakout Area**

**Plenary Session**

**11:45-12:15** Title: Seismic performance improvement of steel moment resisting frame using shape memory alloy  
K.M. Bajoria, Indian Institute of Technology Bombay, India

**12:15-12:45** Title: High performance steel solutions for buildings and infrastructure in korea  
Taek-Ryong Seong, POSCO Steel Structure Research Group, Korea

**12:45-13:15** Title: Probabilitistic study of semi-rigid connections in steel framed structures  
Nicola Impollonia, University of Catania, Italy

**Lunch Break 13:15-14:00 @ RBG**

**Sessions: Metallurgy-Steel Applications | Composites | Seismic Design | Concrete Structure  
| CivilEngineering | Environmental & Water Resources**

**Session Chair: Ying Wang, University of Surrey, UK**

**Session Introduction**

**14:00-14:30** Title: Three dimensional solutions for smart composite/sandwich plates subjected to levy-type support conditions using extended kantorovich method  
Poonam Kumari, IIT Guwahati, India

**14:30-15:00** Title: Integrative framework for sustainable development of the cost estimating profession  
Anwar Alroomi, California State University, Northridge, USA

**Young Research Forum**

**15:00-15:20** Title: Precipitation behavior of AlN and its influence on the microstructure and mechanical performance of a hot rolled C-Mn steel  
Abdullah Qaban, University of London, UK

**Networking and Refreshment Break 15:20 - 15:35 @ Breakout Area**

**15:35-15:55** Title: Numerical investigation of rousselier ductile fracture with Extended Finite Element Method (XFEM)  
Meor Iqram Meor Ahmad, The University of Sheffield, UK

**15:55-16:15** Title: Cyclic behavior and design of wide-flange steel beam-columns bent about weak axis  
Gulen Ozkula, University of California, USA

**Panel Discussion**

**Awards & Closing Ceremony**