

Preface

The idea of establishing the NT2F conferences came in year 2000 from the scientists of the Laboratoire de Fiabilité Mécanique de l'Ecole Nationale d'Ingénieur de Metz in the form of the annual meeting of the “Without Walls European Institute on Fatigue and Fracture”. Since then, 15 successful conferences were held: NT2F1-Metz (France) in 2001, NT2F2-Hammamet (Tunisia) and NT2F3-Ningbo (China) in 2003, NT2F4-Aleppo (Syria) in 2004, NT2F5-Bari (Italy) in 2005, NT2F6-Kranj (Slovenia) in 2006, NT2F7-Miskolc (Hungary) in 2007, NT2F8-Ankaran (Slovenia) in 2008, NT2F9-Belgrade (Serbia) in 2009. The tenth anniversary conference NT2F10 was held again in Metz in august 2010. After that, the series was continued by NT2F11-Polignano a Mare (Italy) in 2011, NT2F12-Brasov (Romania) in 2012, NT2F13-Moscow (Russia) in 2013, NT2F14-Belgrade (Serbia) in 2014 and NT2F15-Oran (Algeria) in 2015. These prestigious and long running conferences bring together delegates from around the world to discuss how to characterize, predict and analyze the fatigue and fracture of engineering materials.

The 14 New Trends in Fatigue and Fracture international conference “Fatigue and fracture at all scales” was held on 15–18 September 2014 in Belgrade, Serbia. NT2F14 was focused on all aspects of fracture and fatigue of wide range of materials, components and structures.

The New Trends in Fatigue and Fracture international meeting conference is the occasion at which NT2F awards are presented to recognize the achievements of researchers. At this fourteenth conference two awards were presented. Special award was given to the honorary chair of NT2F14 and to the founder and first president of Society for Structural Integrity and Life, Prof. Stojan Sedmak for his outstanding contribution of development and application of Fracture Mechanics in former Yugoslavia. To Prof. Guy Pluinage special gratitude, for establishing the standing NT2F conference and for his outstanding efforts and contributions to the Conference, is given.

The proceedings have been divided into two parts. The first part is dedicated to the late Prof. Stojan Sedmak, the most prominent scientist in the field of fracture mechanics and structural integrity in Serbia and the second one consists of selected papers presented at the NT2F14 conference.

Metz, France
Beograd, Serbia

Guy Pluinage
Ljubica Milovic

Fracture at all Scales

Pluvinage, G.; Milovic, L. (Eds.)

2017, VIII, 268 p. 179 illus., 59 illus. in color., Hardcover

ISBN: 978-3-319-32633-7