

Preface

This volume is a collection of edited papers presented at the 13th International Conference on Fracture and Damage Mechanics (FDM2014), held in Ponta Delgado, Portugal. Previous meetings were held in London, UK (1999), Milan, Italy (2001), Paderborn, Germany (2003), Mallorca, Spain (2005), Harbin, China (2006), Madeira, Portugal (2007), Seoul, Korea (2008), St. Julian's Bay, Malta (2009), Nagasaki, Japan (2010), Dubrovnik, Croatia (2011), Xian, China (2012) and Sardinia, Italy (2013).

The conference which was attended by researchers from 21 countries served as a forum to promote and exchange latest theoretical, computation and experimental research works on fracture and damage mechanics as well as structural integrity and durability.

The FDM2014 covers a wide range of topics: Failure analysis, Fracture Mechanics, Composites, Multiscale Modelling, Micromechanics, Structural Health Monitoring, Damage Tolerance, Corrosion, Creep, Non-linear problems, Dynamic Fracture, Residual Stress, Environmental effects, Crack Propagation, Metallic and Concrete Materials, Probabilistic Aspects, Computer Modelling Methods (Finite Elements, Boundary Elements and Meshless), Microstructural and Multiscale Aspects.

Several special sessions were organised by the member of the international Scientific Committee.

The Editors would like to thank the members of the Steering Committee and International Scientific Committee for their help and support that were essential to the success of the conference.

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