The second volume of the International Journal of Fracture Fatigue and Wear contains the proceedings of the third International Conference of Fracture Fatigue and Wear (FFW) held in Kitakyushu, Japan during the period 1-3 September 2014. The participants of FFW 2014 conference are from 16 different countries including Albania, Algeria, Belgium, Canada, China, France, Germany, Italy, India, Japan, Malaysia, Netherlands, Singapore, Spain, Poland and UK. They presented their research work in several topics related to Fracture Fatigue and Wear.

The organising committee is grateful to Professor Yuitaka Murakami from Kyushu University, Japan for agreeing to deliver the keynote lecture, entitled ‘Mechanism of Failure in Fatigue and Tribology from Viewpoint of Small Defects and Small Cracks’, at the opening of the conference.


Most of the papers published in this volume have been sent to reviewers, who are members of Scientific Committee of FFW 2014, to judge their scientific merits. Based on the recommendation of reviewers, the papers were accepted for publication in the conference proceedings and for presentation at the conference venue. The organizing committee would like to thank all members of Scientific Committee for their valuable contribution in evaluating the papers.

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Finally, the editor would like to thank to all authors, who have contributed to this volume and presented their research work at FFW 2014.

The Editor
Professor Magd Abdel Wahab