

Preface

With growing concerns of fatigue life requirement of many components well above 10^7 load cycles up to Very High Cycle Fatigue (VHCF) regime. Globally, the interest in promotion of recent developments knowledge in VHCF field is the motive behind the series of conferences on Very High Cycle Fatigue. The sixth conference on VHCF was held in Chengdu, China from 15th to 18th October 2014. The VHCF-6 conference continues the trend of successful previous conferences started with VHCF-1 in 1998, organized by Prof. Claude Bathias and Prof. Stefanie Stanzl-Tschegg in Paris, followed by VHCF-2 in 2001 organized by Prof. Stefanie Stanzl-Tschegg and Prof. Herwig Mayer in Vienna, VHCF-3 in 2004 organized by Prof. Sakai and Prof. Yasou Ochi in Kusatsu, VHCF-4 in 2007 organized by Prof. J. Wayne Jones in Ann Arbor, VHCF-5 in 2011 organized by Prof. Christina Berger and Prof. Hans-Jürgen Christ in Berlin.

The VHCF-6 conference was held to bring together research delegates from various engineering disciplines around the world to discuss hot topics in VHCF and exchange their experiences. Scientists, Engineers and Engineering Designers from academia and industry contributed to the conference. The main areas of interest in the conference were involved latest research from academia and industry on aspects of very high cycle fatigue especially Advancements in VHCF Instrumentations, Advanced Materials, Influence of Environment and Temperature, Influence of Small Scale Damages, Microstructure and Initiation Mechanism, Life Prediction, Statistical Analysis and Modeling in Fatigue.

The sixth international conference on

Very High Cycle fatigue

(VHCF-6)

Supported by:

Sichuan University,
Chengdu University,
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