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Magd Abdel Wahab  
Editor

# Proceedings of the 7th International Conference on Fracture Fatigue and Wear

FFW 2018, 9–10 July 2018, Ghent University,  
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# Preface

This volume contains the Proceedings of the 7th International Conference on Fracture Fatigue and Wear FFW 2018. Fracture Fatigue and Wear 2018 is the 7th FFW conference and is held in the city of Ghent, Belgium, during the period 9–10 July 2018. Previous conferences were celebrated in Jinan (China, 2010), Kitakyushu (Japan, 2013), Kitakyushu (Japan, 2014), Gent (Belgium, 2015), Kitakyushu (Japan, 2016) and Porto (Portugal, 2017).

The overall objective of the conference is to bring together international scientists and engineers in academia and industry in fields related to Fracture Mechanics, Fatigue of Materials, Tribology and Wear of Materials. The conference covers industrial engineering applications of the above topics including theoretical and analytical methods, numerical simulations and experimental techniques. One of the aims of the conference is to promote cooperation between international scientists and engineers from a large number of disciplines, who are involved in research related to Fracture, Fatigue and Wear. The presentations of FFW 2018 are divided into three main sessions, namely (1) Fracture, (2) Fatigue and (3) Wear.

The organising committee is grateful to the keynote speaker, Professor Dr. Eng. Jesús Toribio, Department of Materials Engineering, University of Salamanca (USAL), Spain, for his interesting keynote speech entitled ‘Fatigue, Fracture and Wear in Cold-Drawn Pearlitic Steel Wires: Remembering M.C. Escher and J.S. Bach’.

Special thanks go to members of the Scientific Committee of FFW 2018 for reviewing the articles published in this volume and for judging their scientific merits. Based on the comments of reviewers and the scientific merits of the submitted manuscripts, the articles were accepted for publication in the conference proceedings and for presentation at the conference venue. The accepted papers are of a very high scientific quality and contribute to the advancement of knowledge in all research topics relevant to FFW conference. Out of 100 submitted full-length papers, 74 papers are published in the proceedings.

Finally, the organising committee would like to thank all authors, who have contributed to this volume and to those who have presented their research work at the conference venue in Ghent.

Magd Abdel Wahab  
Chairman of FFW 2018

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# Contents

## Fracture

<b>Failure Analysis of a Removable Support of a Cockpit Seat in a STOL Airplane</b> . . . . .	3
Fernando Delgado	
<b>Spot Welding Joint’s Fracture Behavior and Fundamental</b> . . . . .	18
A. M. Al-Mukhtar, Tareq Rahman, and Qasim Muhammad Doos	
<b>Failure and Fracture Analysis of Al-alloy Wheel Rim of a Vehicle</b> . . . . .	28
Anagnostis Toulfatzis, Marianna Katsivarda, Andreas Rikos, Athanasios Vazdirvanidis, and George Pantazopoulos	
<b>Key Parameters for Fracture Toughness of Particle/Polymer Nanocomposites; Sensitivity Analysis via XFEM Modeling Approach</b> . . . . .	41
Khader M. Hamdia and Timon Rabczuk	
<b>A Criterion for Crack Initiation at Blunt Notches Based on the Concept of Local Strength</b> . . . . .	52
Sergey V. Suknev	
<b>Effect of Friction Coefficient and Maximum Contact Pressure on the Spalling Depth of Gear Teeth Flank</b> . . . . .	63
Hasan Heirani and Khalil Farhangdoost	
<b>Transient Analysis of Multiple Interface Cracks in Two Bonded Elastic and Piezoelectric Layers</b> . . . . .	69
Mojtaba Ayatollahi, Soroor Varasteh, and Amir Hossein Fartash	
<b>A Study on the Constitutive Equation Effects in the Fracture Initiation of AA5450 Sheets</b> . . . . .	78
Shahram A. Dizaji, Haluk Darendeliler, and Bilgin Kaftanoğlu	

<b>Predicting the Failure Type of Liquid Hydrocarbon Pipeline Using Fuzzy Expert System</b> . . . . .	84
Zhichao Cui, Shengli Liu, and Yongtu Liang	
<b>Simulation of Loading Rate Effects on Dynamic Brittle Failure of Concrete Structures Using a Two-Scale Damage Model</b> . . . . .	91
M. K. Atiezo, W. Chen, and C. Dascalu	
<b>Deformation Behavior and Fracture of Al-CuZr Nano-Laminates: A Molecular Dynamics Simulation Study</b> . . . . .	99
Pradeep Gupta and Natraj Yedla	
<b>Model of Damaged Medium for Describing Fatigue Fracture of Materials and Structures</b> . . . . .	107
I. A. Volkov, L. A. Igumnov, S. Yu. Litvinchuk, I. V. Vorobtsov, and M. V. Grigoryev	
<b>Modeling of Fatigue Fracture of Coatings in Multi-cycle Friction Contact</b> . . . . .	125
Elena Torskaya	
<b>Research and Modeling of Stress-Strain State and Fracture Strength of Triplexes at Temperatures 293–213 K</b> . . . . .	135
Mykola Pidgurskyi, Yuri Rudyak, and Ivan Pidgurskyi	
<b>Influence of Low Temperature on Mechanical Properties of Carbon Steel P110 Estimated by Means of Small Punch Test</b> . . . . .	151
Malwina Stępniewska, Barbara Romelczyk-Baishya, Tomasz Brynk, Maciej Giżyński, and Zbigniew Pakieła	
<b>Crack Propagation in Various Double Cantilever Beam Geometric Configurations</b> . . . . .	164
Lucie Malíková and Hana Šimonová	
<b>Lateral Indentation and Impact Analyses on Curved Composite Shells</b> . . . . .	171
Donato Di Vito, Tuomas Pärnänen, Jarno Jokinen, Olli Orell, and Mikko Kanerva	
<b>Structured Learning-Based Sinusoidal Modelling for Gear Diagnosis and Prognosis</b> . . . . .	184
Mengqiu Tao, Wenyi Wang, Zhihong Man, Zhenwei Cao, Hai Le Vu, Jinchuan Zheng, and Antonio Cricenti	
<b>Singular Stress Field of Interfacial Small Crack in Orthotropic Bonded Plate</b> . . . . .	194
Kazuhiro Oda, Shunya Yasada, and Noriko Tsutsumi	

**Comparative Research on Calculation Methods of Stress Intensity Factors and Crack Propagation Criterion** . . . . . 202  
 Chun Qing, Zhang Chengwen, and Jia Xiaohu

**Crack Identification Using eXtended IsoGeometric Analysis and Particle Swarm Optimization** . . . . . 210  
 Samir Khatir, Magd Abdel Wahab, Brahim Benaissa, and Mario Köppen

**Fatigue**

**PWR Fatigue Testing at SCK•CEN in the Framework of INCEFA+** . . . . . 225  
 Marc Vankeerberghen, Pierre Marmy, and Luc Bens

**The Effect of Technological and Structural Factors on the Strength of Polyethylene Adhesive Joints** . . . . . 241  
 Anna Rudawska, Magd Abdel Wahab, Dalibor Barta, and Saugirdas Pukalskas

**Compression of Strain Load History Using Holder Exponents of Continuous Wavelet Transform** . . . . . 258  
 C. H. Chin, S. Abdullah, S. S. K. Singh, D. Schramm, A. K. Ariffin, and N. N. M. Nasir

**Structural Optimization for the Gusset Plate in the Boom Structure of Concrete Pump Truck** . . . . . 273  
 Seungoh Han and Jiwoon Kwon

**Failure Analysis of Prematurely Failed Hip Joint Implant Inside the Femur Bone** . . . . . 286  
 S. P. Butee and Kaustubh Kambale

**Comparative Study of Defect-Based and Plastic Damage-Based Approaches for Fatigue Lifetime Calculation of Selective Laser-Melted AlSi12** . . . . . 297  
 M. Awd, S. Siddique, R. Hajavifard, and F. Walther

**Fatigue Damage of Waterwall Tubes in a 1000 MW USC Boiler** . . . . . 314  
 Chang Che, Gong Qian, Xisheng Yang, and Xiang Liu

**Fatigue of Steels Used in the Manufacture of Components for Heavy Load Vehicles** . . . . . 325  
 J. J. Ramírez-Natera, C. A. Salazar, A. Z. Rodríguez, F. A. Pérez-González, J. H. Ramírez-Ramírez, I. García, N. F. Garza-Montes-de-Oca, and R. Colás

<b>Specimen Thickness Effects on Front Edge Shape of Fatigue Crack in Al7075-T6 Alloy</b> . . . . .	336
Kenichi Masuda, Sotomi Ishihara, Arthur J. McEvily, and Masaki Okane	
<b>Finite Lifetime Estimation of Mechanical Assemblies Subjected to Fretting Fatigue Loading</b> . . . . .	345
C. V. Teuchou Kouanga, J. D. Jones, I. Revill, A. Wormald, D. Nowell, R. S. DwyerJoyce, J. A. Araújo, and L. Susmel	
<b>Probabilistic Modeling of Coating Delamination</b> . . . . .	359
Ilya I. Kudish, Harutyun A. Amirjanyan, and Vahram N. Hakobyan	
<b>Failure of Giant Wheel Ride at an Amusement Park</b> . . . . .	371
Muhammad Rizwan Shad and Faiz ul Hasan	
<b>Thermal-Mechanical Fatigue Analysis of a Main Steam Isolation Valve of a Boiling Water Reactor-5</b> . . . . .	379
I. Álvarez-Loya, J. A. Santillán-Gómez, C. J. Huesca-Damián, L. H. Hernández Gómez, J. A. Beltrán-Fernández, and P. Ruiz-López	
<b>Influence of Soft Particle Peening Treatment on Fatigue Strength of Aluminum Alloy A5052</b> . . . . .	390
Koichiro Nambu and Masahiro Okumiya	
<b>Fatigue Life Calculation of Load-Adapted Hybrid Angular Contact Ball Bearings</b> . . . . .	401
Florian Pape, Timm Coors, Yang Wang, and Gerhard Poll	
<b>The Influence of Hydrogen on Fatigue Fracture in Mooring Chain Steel</b> . . . . .	415
Xiaoying Cheng and Xiaoyan Zhang	
<b>Monitoring Micro-damage Evolution in Structural Steel S355 Using Speckle Interferometry</b> . . . . .	427
Konrad Ritter and Klaus Thiele	
<b>On an Extension of the Fatemi and Socie Equation for Rolling Contact in Rolling Bearings</b> . . . . .	438
Paul Sauvage, Georg Jacobs, Christopher Sous, Bernd Lüneburg, Daniel Becker, and Klaus Pantke	
<b>Durability of Steel Joints with Ductile Adhesive Subjected to Fatigue Tests</b> . . . . .	458
B. Enciso, E. Paz, C. Trujillo, J. Abenojar, and M. A. Martínez	
<b>Effect of an Adhesive Bonding on the Fatigue Life of Advanced High Strength Steel Spot-Welds</b> . . . . .	464
S. J. Chu, T. K. Jeong, and K. J. Hwang	

**Fatigue Life Predictions for L-Shaped Cracks** . . . . . 480  
 Silvia Corbani, Luiz Fernando Martha, Jaime Tupiassú Pinho de Castro,  
 and Bruce Carter

**Modelling of Short Crack Arrest and Fatigue Propagation  
 Using Non-local Fracture Criteria** . . . . . 491  
 A. Nosikov

**Critical Analysis of Randomly Rough Surfaces for Contact Mechanics  
 Through Statistical Simulation** . . . . . 500  
 Miguel Ángel Ramírez, Carlos Gabriel Figueroa, Víctor Hugo Jacobo,  
 Armando Ortiz, and Rafael Schouwenaars

**Panel Test for New Developed Airbus A321 ACF Overwing Door  
 and Surrounding Structure** . . . . . 512  
 Sven Berssin

**Strain Rate Concentration Factor for Round and Flat  
 Test Specimens** . . . . . 521  
 Nao-Aki Noda, Rei Takaki, Yunong Shen, Akane Inoue, Yoshikazu Sano,  
 and Yasushi Takase

**A Comparison Between Critical-Plane and Stress-Invariant  
 Approaches for the Prediction of Fretting Fatigue  
 Crack Nucleation** . . . . . 530  
 N. A. Bhatti, K. Pereira, and M. Abdel Wahab

**Effect of Short Crack Behavior on the Propagation Life Prediction  
 for a Fretting Cylindrical Pad Configuration** . . . . . 539  
 K. Pereira and M. A. Wahab

**Simulation of Cyclic Deformation Behavior of Ferritic P92 Steel Based  
 on Unified Viscoplastic Model** . . . . . 547  
 Xiaowei Wang, Wei Zhang, Jianming Gong, and Magd Abdel Wahab

**Fatigue Life Analysis of Un-repaired and Repaired Metallic Substrate  
 Using FRANC2D** . . . . . 558  
 S. Pitta, J. I. Rojas, D. Crespo, and M. Abdel Wahab

**Wear**

**Effect of Cryosoaking Period on Soft Tempering Temperature  
 and Wear Mechanism in AISI H11 Tool Steel** . . . . . 569  
 N. B. Dhokey, P. Lalge, A. Rajankar, K. Bawane, and R. Mahajan

**Dry Wear Behavior of Basalt/Carbon-Reinforced Epoxy Composite  
 by Taguchi Method** . . . . . 581  
 Y. Şahin and F. Şahin

<b>Wear Property of Epoxy Reinforced with Carbon Using a Response Surface Methodology</b> . . . . .	591
Y. Şahin, M. Yankaş, A. M. Tokdede, and P. De Baets	
<b>Microabrasive Wear of Titanium Chrome Plated</b> . . . . .	602
Castillo-Sánchez Martín, Velázquez-Vázquez María, Vite-Torres Manuel, and Gallardo-Hernández Ezequiel	
<b>Experimental Investigate of the Wear and Friction Performance Considering Effects of Surface Topography and Lubricant</b> . . . . .	615
Xianghui Meng and Youbai Xie	
<b>Experimental Simulation and Analysis of Die Casting Mould Wear</b> . . .	621
Zvonimir Dadić, Dražen Živković, Nikša Čatipović, and Ivo Marinić-Kragić	
<b>Structure and Properties of the New Antifriction Composite Materials for High-Temperature Friction Units</b> . . . . .	628
Krzysztof Jamrozak and Tetiana Roik	
<b>Comprehension of Thermomechanical Phenomena and Material Behavior During High Speed Contact</b> . . . . .	638
M. Thévenot, V. Wagner, J.-Y. Paris, G. Dessenin, J. Denape, A. Brunet, and T. Chantrait	
<b>An Investigation into the Early Life Cycle Wear-Induced Failure of an All-Terrain Vehicle Ball Joint Cotter Pin</b> . . . . .	661
Alex Roberts and Keith Rogers	
<b>In-manufacture Running-in of Engine Components by Using the Triboconditioning® Process</b> . . . . .	671
Boris Zhmud	
<b>Wear Behavior of ZrO<sub>2</sub> Particle Reinforced (Fe,Ni) Matrix Composite</b> . . . . .	682
Neera Singh, Om Parkash, and Devendra Kumar	
<b>Nanoscale Wear of Carbon Overcoat Subjected to Laser Heating in an Inert Gas Environment</b> . . . . .	691
Norio Tagawa, Hiroshi Tani, Shinji Koganezawa, and Renguo Lu	
<b>Wear Simulation Method for Mechanical Seals Under Mixed Lubrication Using Flow Factors</b> . . . . .	705
Di Liu, Shaoping Wang, Chao Zhang, and Mileta Tomovic	
<b>Boride Coating on Titanium Alloys as Biomaterial in Wear and Fretting Applications</b> . . . . .	719
V. Peretti, A. Bari, S. Ferraris, G. Gautier, B. Stella, A. M. Tortora, and S. Spriano	

**Wear Behavior of ZTA Reinforced Iron Matrix Composites** . . . . . 732  
 Lei Fan, Huahui Chen, Haicun Li, Daoren Fu, and Haiping Hong

**Friction and Wear of Mouthguard Material with a Laser-Textured Surface in Reciprocating Sliding Motion** . . . . . 747  
 Tomoharu Akagaki, Kazuki Sasaki, Tadateru Kurosawa, and Hukukai Kaku

**Effect of Prior Ratcheting Deformation on Low Cycle Fatigue Behaviour of AISI 4340 Steel** . . . . . 759  
 Krishna Dutta and K. Divya Bharathi

**Finite Element Model in Abrasion Analysis for Single-Asperity Scratch Test** . . . . . 768  
 P. Wechsuwanmanee, J. Lian, J. Sukumaran, Á. Kalácska, H. Ben Hamouda, P. De Baets, and S. Münstermann

**Analysis of the Fretting Wear Phenomenon on the Surface Coatings of Form-Wound Coil** . . . . . 780  
 M. Vite-Torres, F. P. Espino-Cortés, T. Asiain-Olivares, J. Zaragoza-Granados, and E. A. Gallardo-Hernández

**Tribological and Mechanical Properties of Polyester Based Composites with SiC Particles** . . . . . 789  
 J. Abenojar, S. López de Armentia, P. Gálvez, and M. A. Martínez

**Numerical Calculation of Local Adhesive Wear in Machine Elements Under Boundary Lubrication Considering the Surface Roughness** . . . . 796  
 J. T. Terwey, S. Berninger, G. Burghardt, G. Jacobs, and G. Poll

**Numerical Investigation and Optimization of Loosening Behavior of Wheel Nuts for Passenger Cars** . . . . . 808  
 Ali Kara and Emre Cubuklusu

**Optimization of Rigidity of Aluminum Alloy Wheels** . . . . . 814  
 Onur Kocaturk, Fatih Yasin Elagoz, and Ali Kara