

**2020 IEEE/ACM 17th
International Conference on
Mining Software Repositories
(MSR 2020)**

**Seoul, South Korea
25 – 26 May 2020**



**IEEE Catalog Number: CFP2078C-POD
ISBN: 978-1-7281-9840-8**

**Copyright © 2020, Association for Computing Machinery
All Rights Reserved**

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP2078C-POD
ISBN (Print-On-Demand):	978-1-7281-9840-8
ISBN (Online):	978-1-4503-7517-7
ISSN:	2574-3848

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

2020 IEEE/ACM 17th International Conference on Mining Software Repositories (MSR) MSR 2020

Table of Contents

Message from the Chairs	xiv
Message from the Track Chairs	xviii
Organizing Committee	xxiii
Program Committee - Data Showcase	xxv
Program Committee - Education Track	xxvii
Program Committee - FOSS Awards	xxviii
Program Committee - Mining Challenge	xxx
Program Committee - Most Influential Paper (MIP) Award	xxxiv
Program Committee - MSR Awards	xxxv
Program Committee - Registered Reports	xxxvii
Program Committee - Technical Papers	xl
Additional Reviewers	xlix

Mining Challenge

The Software Heritage Graph Dataset: Large-Scale Analysis of Public Software Development History	1
<i>Antoine Pietri (Inria), Diomidis Spinellis (Athens University of Economics and Business), and Stefano Zacchiroli (Université de Paris and Inria)</i>	
Cheating Death: A Statistical Survival Analysis of Publicly Available Python Projects	6
<i>Rao Hamza Ali (Chapman University, USA), Chelsea Parlett-Pelleriti (Chapman University, USA), and Erik Linstead (Chapman University, USA)</i>	
An Exploratory Study to Find Motives behind Cross-Platform Forks from Software Heritage Dataset	11
<i>Avijit Bhattacharjee (University of Saskatchewan, Canada), Sristy Sumana Nath (University of Saskatchewan, Canada), Shurui Zhou (Carnegie Mellon University), Debasish Chakroborti (University of Saskatchewan, Canada), Banani Roy (University of Saskatchewan, Canada), Chanchal Roy (University of Saskatchewan, Canada), and Kevin Schneider (University of Saskatchewan, Canada)</i>	
Exploring the Security Awareness of the Python and JavaScript Open Source Communities	16
<i>Gábor Antal (University of Szeged), Márton Keleti (University of Szeged), and Péter Hegedűs (University of Szeged)</i>	

Technical Papers

A Large-Scale Comparative Evaluation of IR-Based Tools for Bug Localization	21
<i>Shayan Ali Akbar (Purdue University) and Avinash Kak (Purdue University)</i>	
A Machine Learning Approach for Vulnerability Curation	32
<i>Yang Cheng (Veracode), Andrew Edward Santosa (Veracode), Ming Yi Ang (Veracode), Abhishek Sharma (Veracode), Asankhaya Sharma (Veracode), and David Lo (Singapore Management University, Singapore)</i>	
A Soft Alignment Model for Bug Deduplication	43
<i>Irving Muller Rodrigues (Polytechnique Montreal, Canada), Daniel Aloise (Polytechnique Montreal, Canada), Eraldo Rezende Fernandes (UFMS, Brazil), and Michel Dagenais (Polytechnique Montreal, Canada)</i>	
A Study of Potential Code Borrowing and License Violations in Java Projects on GitHub	54
<i>Yaroslav Golubev (JetBrains Research, ITMO University, Russia), Maria Eliseeva (Higher School of Economics, Russia), Nikita Povarov (JetBrains, Russia), and Timofey Bryksin (JetBrains Research, Saint Petersburg State University, Russia)</i>	
A Study on the Accuracy of OCR Engines for Source Code Transcription from Programming Screencasts	65
<i>Abdulkarim Khormi (Florida State University, USA), Mohammad Alahmadi (Florida State University, USA), and Sonia Haiduc (Florida State University, USA)</i>	
An Empirical Study of Build Failures in the Docker Context	76
<i>Yiwen Wu (National University of Defense Technology, China), Yang Zhang (National University of Defense Technology, China), Tao Wang (National University of Defense Technology, China), and Huaimin Wang (National University of Defense Technology, China)</i>	
AIMMX: Artificial Intelligence Model Metadata Extractor	81
<i>Jason Tsay (IBM Research, USA), Alan Braz (IBM Research, Brazil), Martin Hirzel (IBM Research, USA), Avraham Shinnar (IBM Research, USA), and Todd Mummert (IBM Research, USA)</i>	
An Empirical Study of Method Chaining in Java	93
<i>Tomoki Nakamaru (The University of Tokyo), Tomomasa Matsunaga (The University of Tokyo), Tetsuro Yamazaki (The University of Tokyo), Soramichi Akiyama (The University of Tokyo), and Shigeru Chiba (The University of Tokyo)</i>	
An Empirical Study on Regular Expression Bugs	103
<i>Peipei Wang (North Carolina State University, USA), Chris Brown (North Carolina State University, USA), Jamie A. Jennings (North Carolina State University, USA), and Kathryn T. Stolee (North Carolina State University, USA)</i>	

Automatically Granted Permissions in Android Apps: An Empirical Study on their Prevalence and on the Potential Threats for Privacy	114
<i>Paolo Calciati (IMDEA Software Institute), Konstantin Kuznetsov (CISPA Helmholtz Center for Information Security), Alessandra Gorla (IMDEA Software Institute), and Andreas Zeller (CISPA Helmholtz Center for Information Security)</i>	
Behind the Intents: An In-Depth Empirical Study on Software Refactoring in Modern Code Review	125
<i>Matheus Paixao (University of Fortaleza), Anderson Uchôa (Pontifical Catholic University of Rio de Janeiro), Ana Carla Bibiano (Pontifical Catholic University of Rio de Janeiro), Daniel Oliveira (Pontifical Catholic University of Rio de Janeiro), Alessandro Garcia (Pontifical Catholic University of Rio de Janeiro), Jens Krinke (University College London), and Emilio Arvonio (University of Salerno)</i>	
Beyond the Code: Mining Self-Admitted Technical Debt in Issue Tracker Systems	137
<i>Laerte Xavier (Federal University of Minas Gerais, Brazil), Fabio Ferreira (Federal Institute of the Southeast of Minas Gerais, Brazil), Rodrigo Brito (Federal University of Minas Gerais, Brazil), and Marco Tulio Valente (Federal University of Minas Gerais, Brazil)</i>	
Boa Views: Easy Modularization and Sharing of MSR Analyses	147
<i>Che Shian Hung (Bowling Green State University) and Robert Dyer (Bowling Green State University)</i>	
Can We Use SE-Specific Sentiment Analysis Tools in a Cross-Platform Setting?	158
<i>Nicole Novielli (University of Bari, Italy), Fabio Calefato (University of Bari, Italy), Davide Dongiovanni (University of Bari, Italy), Daniela Girardi (University of Bari, Italy), and Filippo Lanubile (University of Bari, Italy)</i>	
Capture the Feature Flag: Detecting Feature Flags in Open-Source	169
<i>Jens Meinicke (Carnegie Mellon University), Juan Hoyos (Universidad Nacional de Colombia, Colombia), Bogdan Vasilescu (Carnegie Mellon University), and Christian Kaestner (Carnegie Mellon University)</i>	
Challenges in Chatbot Development: A Study of Stack Overflow Posts	174
<i>Ahmad Abdellatif (Concordia University), Diego Elias Costa (Concordia University), Khaled Badran (Concordia University), Rabe Abdalkareem (Queen's University), and Emad Shihab (Concordia University)</i>	
Characterizing and Identifying Composite Refactorings: Concepts, Heuristics and Patterns	186
<i>Leonardo Sousa (Carnegie Mellon University), Diego Cedrim (Amazon), Alessandro Garcia (Pontifical Catholic University of Rio de Janeiro), Willian Oizumi (Pontifical Catholic University of Rio de Janeiro), Ana Bibiano (Pontifical Catholic University of Rio de Janeiro), Daniel Oliveira (Pontifical Catholic University of Rio de Janeiro), Miryung Kim (University of California, Los Angeles), and Anderson Oliveira (Pontifical Catholic University of Rio de Janeiro)</i>	
Detecting Video Game-Specific Bad Smells in Unity Projects	198
<i>Antonio Borrelli (University of Sannio, Italy), Vittoria Nardone (University of Sannio, Italy), Giuseppe A. Di Lucca (University of Sannio, Italy), Gerardo Canfora (University of Sannio, Italy), and Massimiliano Di Penta (University of Sannio, Italy)</i>	

Detecting and Characterizing Bots that Commit Code <i>Tapajit Dey (The University of Tennessee, USA), Sara Mousavi (The University of Tennessee, USA), Eduardo Ponce (The University of Tennessee, USA), Tanner Fry (The University of Tennessee, USA), Bogdan Vasilescu (Carnegie Mellon University, USA), Anna Filippova (GitHub, USA), and Audris Mockus (The University of Tennessee, USA)</i>	209
Developer-Driven Code Smell Prioritization <i>Fabiano Pecorelli (SeSa Lab - University of Salerno, Italy), Fabio Palomba (SeSa Lab - University of Salerno, Italy), Foutse Khomh (École Polytechnique de Montréal, Canada), and Andrea De Lucia (SeSa Lab - University of Salerno, Italy)</i>	220
Did You Remember to Test Your Tokens? <i>Danielle Gonzalez (Rochester Institute of Technology), Michael Rath (DLR Institute of Data Science, Technical University Ilmenau), and Mehdi Mirakhorli (Rochester Institute of Technology)</i>	232
Embedding Java Classes with Code2vec: Improvements from Variable Obfuscation <i>Rhys Compton (University of Waikato, New Zealand), Eibe Frank (University of Waikato, New Zealand), Panos Patros (University of Waikato, New Zealand), and Abigail Koay (University of Waikato, New Zealand)</i>	243
Empirical Study of Restarted and Flaky Builds on Travis CI <i>Thomas Durieux (INESC-ID and IST, University of Lisbon, Portugal), Claire Le Goues (Carnegie Mellon University), Michael Hilton (Carnegie Mellon University), and Rui Abreu (INESC-ID and IST, University of Lisbon, Portugal)</i>	254
Ethical Mining - A Case Study on MSR Mining Challenges <i>Nicolas E. Gold (University College London, UK) and Jens Krinke (University College London, UK)</i>	265
Forking without Clicking: on How to Identify Software Repository Forks <i>Antoine Pietri (Inria), Guillaume Rousseau (Université de Paris and Inria), and Stefano Zacchiroli (Université de Paris and Inria)</i>	277
From Innovations to Prospects: What is Hidden behind Cryptocurrencies? <i>Ang Jia (Xi'an Jiaotong University, China), Ming Fan (Xi'an Jiaotong University, China), Xi Xu (Xi'an Jiaotong University, China), Di Cui (Xi'an Jiaotong University, China), Wenying Wei (Xi'an Jiaotong University, China), Zijiang Yang (Western Michigan University, America), Kai Ye (Xi'an Jiaotong University, China), and Ting Liu (Xi'an Jiaotong University, China)</i>	288
Improved Automatic Summarization of Subroutines via Attention to File Context <i>Sakib Haque (University of Notre Dame, USA), Alexander LeClair (University of Notre Dame, USA), Lingfei Wu (IBM Research, USA), and Collin McMillan (University of Notre Dame)</i>	300
Investigating Severity Thresholds for Test Smells <i>Davide Spadini (Software Improvement Group & Delft University of Technology), Martin Schvarcbacher (Software Improvement Group), Ana-Maria Oprescu (University of Amsterdam), Magiel Bruntink (Software Improvement Group), and Alberto Bacchelli (University of Zurich)</i>	311

Need for Tweet: How Open Source Developers Talk about Their GitHub Work on Twitter	322
<i>Hongbo Fang (Carnegie Mellon University, USA), Daniel Klug (Carnegie Mellon University, USA), Hemank Lamba (Carnegie Mellon University, USA), James Herbsleb (Carnegie Mellon University, USA), and Bogdan Vasilescu (Carnegie Mellon University, USA)</i>	
On the Prevalence, Impact, and Evolution of SQL Code Smells in Data-Intensive Systems	327
<i>Biruk Asmare Muse (Polytechnique Montréal, Canada), Mohammad Masudur Rahman (Polytechnique Montréal, Canada), Csaba Nagy (Università della Svizzera italiana, Switzerland), Anthony Cleve (University of Namur, Belgium), Foutse Khomh (Polytechnique Montréal, Canada), and Giuliano Antoniol (Polytechnique Montréal, Canada)</i>	
On the Relationship between User Churn and Software Issues	339
<i>Omar El Zarif (Queen's University), Daniel Alencar da Costa (University of Otago), Safwat Hassan (Queen's University), and Ying Zou (Queen's University)</i>	
PUMiner: Mining Security Posts from Developer Question and Answer Websites with PU Learning	350
<i>Triet Le (The University of Adelaide, Australia), David Hin (The University of Adelaide, Australia), Roland Croft (The University of Adelaide, Australia), and Ali Babar (The University of Adelaide, Australia)</i>	
Painting Flowers: Reasons for Using Single-State State Machines in Model-Driven Engineering	362
<i>Nan Yang (Eindhoven University of Technology, The Netherlands), Pieter Cuijpers (Eindhoven University of Technology, The Netherlands), Ramon Schiffelers (ASML, The Netherlands), Johan Lukkien (Eindhoven University of Technology, The Netherlands), and Alexander Serebrenik (Eindhoven University of Technology, The Netherlands)</i>	
Polyglot and Distributed Software Repository Mining with CROSSFLOW	374
<i>Konstantinos Barmpis (University of York, UK), Patrick Neubauer (University of York, UK), Jonathan Co (University of York, UK), Dimitris Kolovos (University of York, UK), Nicholas Matragkas (University of York, UK), and Richard F. Paige (McMaster University, Canada)</i>	
RTPTorrent: An Open-Source Dataset for Evaluating Regression Test Prioritization	385
<i>Toni Mattis (Hasso Plattner Institute, Germany), Patrick Rein (Hasso Plattner Institute, Germany), Falco Dürsch (Hasso Plattner Institute, Germany), and Robert Hirschfeld (Hasso Plattner Institute, Germany)</i>	
SoftMon: A Tool to Compare Similar Open-Source Software from a Performance Perspective .	397
<i>Shubhankar Suman Singh (Indian Institute of Technology Delhi, India) and Smruti R. Sarangi (Indian Institute of Technology Delhi, India)</i>	
The Impact of a Major Security Event on an Open Source Project: The Case of OpenSSL	409
<i>James Walden (Northern Kentucky University)</i>	
The Scent of Deep Learning Code: An Empirical Study	420
<i>Hadhemi Jebnoun (Polytechnique Montreal Canada), Housseem Ben Braiek (Polytechnique Montreal Canada), Mohammad Masudur Rahman (Polytechnique Montreal Canada), and Foutse Khomh (Polytechnique Montreal Canada)</i>	

The State of the ML-Universe: 10 Years of Artificial Intelligence & Machine Learning Software Development on GitHub	431
<i>Danielle Gonzalez (Rochester Institute of Technology, USA), Thomas Zimmermann (Microsoft Research, Redmond), and Nachiappan Nagappan (Microsoft Research, Redmond)</i>	
Traceability Support for Multi-Lingual Software Projects	443
<i>Yalin Liu (University of Notre Dame, USA), Jinfeng Lin (University of Notre Dame, USA), and Jane Cleland-Huang (University of Notre Dame, USA)</i>	
Using Large-Scale Anomaly Detection on Code to Improve Kotlin Compiler	455
<i>Timofey Bryksin (JetBrains Research, Saint Petersburg State University), Victor Petukhov (JetBrains), Ilya Alexin (Saint Petersburg State University), Stanislav Prikhodko (Saint Petersburg State University), Alexey Shpilman (JetBrains Research, Higher School of Economics), Vladimir Kovalenko (JetBrains Research), and Nikita Povarov (JetBrains)</i>	
Using Others' Tests to Identify Breaking Updates	466
<i>Suhaib Mujahid (Concordia University), Rabe Abdalkareem (Queen's University), Emad Shihab (Concordia University), and Shane McIntosh (McGill University)</i>	
Visualization of Methods Changeability Based on VCS Data	477
<i>Sergey Svitkov (Saint-Petersburg State University) and Timofey Bryksin (JetBrains Research, Saint-Petersburg State University)</i>	
What Constitutes Software? An Empirical, Descriptive Study of Artifacts	481
<i>Rolf-Helge Pfeiffer (IT University of Copenhagen)</i>	
What is the Vocabulary of Flaky Tests?	492
<i>Gustavo Pinto (Federal University of Pará), Breno Miranda (Federal University of Pernambuco), Supun Dissanayake (University of Adelaide), Marcelo d'Amorim (Federal University of Pernambuco), Christoph Treude (University of Adelaide), and Antonia Bertolino (ISTI — CNR)</i>	

Data Showcase

20-MAD - 20 Years of Issues and Commits of Mozilla and Apache Development	503
<i>Maëlick Claes (University of Oulu) and Mika Mäntylä (University of Oulu)</i>	
A C/C++ Code Vulnerability Dataset with Code Changes and CVE Summaries	508
<i>Jiahao Fan (New Jersey Institute of Technology, USA), Yi Li (New Jersey Institute of Technology, USA), Shaohua Wang (New Jersey Institute of Technology, USA), and Tien N. Nguyen (The University of Texas at Dallas, USA)</i>	
A Complete Set of Related Git Repositories Identified via Community Detection Approaches Based on Shared Commits	513
<i>Audris Mockus (The University of Tennessee, USA), Diomidis Spinellis (Athens University of Economics and Business, Greece), Zoe Kotti (Athens University of Economics and Business, Greece), and Gabriel John Dusing (The University of Tennessee, USA)</i>	

A Dataset and an Approach for Identity Resolution of 38 Million Author IDs Extracted from 2B Git Commits	518
<i>Tanner Fry (The University of Tennessee, USA), Tapajit Dey (The University of Tennessee, USA), Andrey Karnauch (The University of Tennessee, USA), and Audris Mockus (The University of Tennessee, USA)</i>	
A Dataset for GitHub Repository Deduplication	523
<i>Diomidis Spinellis (Athens University of Economics and Business), Zoe Kotti (Athens University of Economics and Business), and Audris Mockus (University of Tennessee)</i>	
A Dataset of Dockerfiles	528
<i>Jordan Henkel (University of Wisconsin–Madison, USA), Christian Bird (Microsoft Research, USA), Shuvendu K. Lahiri (Microsoft Research, USA), and Thomas Reps (University of Wisconsin–Madison, USA)</i>	
A Dataset of Enterprise-Driven Open Source Software	533
<i>Diomidis Spinellis (Athens University of Economics and Business), Zoe Kotti (Athens University of Economics and Business), Konstantinos Kravvaritis (Athens University of Economics and Business), Georgios Theodorou (Athens University of Economics and Business), and Panos Louridas (Athens University of Economics and Business)</i>	
A Mixed Graph-Relational Dataset of Socio-Technical Interactions in Open Source Systems	538
<i>Usman Ashraf (Johannes Kepler University, Austria), Christoph Mayr-Dorn (Johannes Kepler University, Austria), Alexander Egyed (Johannes Kepler University, Austria), and Sebastiano Panichella (Zurich University of Applied Sciences, Switzerland)</i>	
On the Shoulders of Giants: A New Dataset for Pull-Based Development Research	543
<i>Xunhui Zhang (National University of Defense Technology, China), Ayushi Rastogi (Delft University of Technology, the Netherlands), and Yue Yu (National University of Defense Technology, China)</i>	
AndroZooOpen: Collecting Large-Scale Open Source Android Apps for the Research Community ..	548
<i>Pei Liu (Monash University, Australia), Li Li (Monash University, Australia), Yanjie Zhao (Monash University, Australia), Xiaoyu Sun (Monash University, Australia), and John Grundy (Monash University, Australia)</i>	
Dataset of Video Game Development Problems	553
<i>Cristiano Politowski (Concordia University), Fabio Petrillo (Université du Québec à Chicoutimi), Gabriel Cavalheiro Ullmann (UNIJU), Josias de Andrade Werly (UniRitter), and Yann-Gaël Guéhéneuc (Concordia University)</i>	
Employing Contribution and Quality Metrics for Quantifying the Software Development Process	558
<i>Themistoklis Diamantopoulos (Aristotle University of Thessaloniki), Michail D. Papamichail (Aristotle University of Thessaloniki), Thomas Karanikiotis (Aristotle University of Thessaloniki), Kyriakos C. Chatzidimitriou (Aristotle University of Thessaloniki), and Andreas L. Symeonidis (Aristotle University of Thessaloniki)</i>	

GitterCom - A Dataset of Open Source Developer Communications in Gitter	563
<i>Esteban Parra (Florida State University, USA), Ashley Ellis (Florida State University, USA), and Sonia Haiduc (Florida State University, USA)</i>	
Hall-of-Apps: The Top Android Apps Metadata Archive	568
<i>Laura Bello-Jimenez (Universidad de Los Andes, Colombia), Camilo Escobar-Velásquez (Universidad de Los Andes, Colombia), Anamaria Mojica-Hanke (Universidad de Los Andes, Colombia), Santiago Cortés-Fernández (Universidad de Los Andes, Colombia), and Mario Linares-Vásquez (Universidad de Los Andes, Colombia)</i>	
How Often Do Single-Statement Bugs Occur? The ManySStuBs4J Dataset	573
<i>Rafael - Michael Karampatsis (University of Edinburgh) and Charles Sutton (Google Research, University of Edinburgh and the Alan Turing Institute)</i>	
JTeC: A Large Collection of Java Test Classes for Test Code Analysis and Processing	578
<i>Federico Corò (Sapienza University of Rome, Italy), Roberto Verdecchia (Vrije Universiteit Amsterdam, The Netherlands), Emilio Cruciani (Inria, I3S Lab, UCA, CNRS, France), Breno Miranda (Federal University of Pernambuco, Brazil), and Antonia Bertolino (Consiglio Nazionale delle Ricerche, Italy)</i>	
LogChunks: A Data Set for Build Log Analysis	583
<i>Carolyn E. Brandt (Delft University of Technology, The Netherlands), Annibale Panichella (Delft University of Technology, The Netherlands), Andy Zaidman (Delft University of Technology, The Netherlands), and Moritz Beller (Delft University of Technology, The Netherlands)</i>	
Software-Related Slack Chats with Disentangled Conversations	588
<i>Preetha Chatterjee (University of Delaware, USA), Kostadin Damevski (Virginia Commonwealth University, USA), Nicholas A. Kraft (UserVoice, USA), and Lori Pollock (University of Delaware, USA)</i>	
TestRoutes: A Manually Curated Method Level Dataset for Test-to-Code Traceability	593
<i>András Kicsi (University of Szeged, Hungary), László Vidács (University of Szeged, Hungary), and Tibor Gyimóthy (University of Szeged, Hungary)</i>	

Registered Reports

An Empirical Study on the Impact of Deimplicitization on Comprehension in Programs Using Application Frameworks	598
<i>Jürgen Cito (TU Wien and MIT), Jiasi Shen (MIT), and Martin Rinard (MIT)</i>	
Determining the Intrinsic Structure of Public Software Development History	602
<i>Antoine Pietri (Inria), Guillaume Rousseau (Université de Paris and Inria), and Stefano Zacchiroli (Université de Paris and Inria)</i>	

Do Explicit Review Strategies Improve Code Review Performance?	606
<i>Pavĺna Wurzel Gonalves (University of Zurich, Switzerland), Enrico Fregnan (University of Zurich, Switzerland), Tobias Baum (Leibniz Universitat Hannover, Germany), Kurt Schneider (Leibniz Universitat Hannover, Germany), and Alberto Bacchelli (University of Zurich, Switzerland)</i>	
Large-Scale Manual Validation of Bugfixing Changes	611
<i>Steffen Herbold (University of Goettingen), Alexander Trautsch (University of Goettingen), and Benjamin Ledel (University of Goettingen)</i>	
Multi-Language Design Smells: A Backstage Perspective	615
<i>Mouna Abidi (Ecole Polytechnique de Montreal), Moses Openja (Ecole Polytechnique de Montreal), and Foutse Khomh (Ecole Polytechnique de Montreal)</i>	
The Impact of Dynamics of Collaborative Software Engineering on Introverts: A Study Protocol	619
<i>Ingrid Nunes (Universidade Federal do Rio Grande do Sul (UFRGS), Brazil), Christoph Treude (University of Adelaide, Australia), and Fabio Calefato (University of Bari, Italy)</i>	
Author Index	623