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practitioners and PhD students to deliver and share their research in the field of advanced information systems, databases and related areas. For the 2018 conference, 69 submissions were received from 15 countries. Each paper was assigned

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for review to at least three referees from different countries. Following review, 24 regular papers were accepted for presentation at the conference, and from these presented papers the 14 best-revised papers have been selected

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teams worldwide on the gentle art of unit testing and test-driven development. His blog is at [ArtOfUnitTesting.com](http://ArtOfUnitTesting.com). Table of Contents

**PART 1 GETTING STARTED**  
The basics of unit testing  
A first unit test

**PART 2 CORE**

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TECHNIQUES Using stubs to break dependencies Interaction testing using mock objects Isolation (mocking) frameworks Digging deeper into isolation frameworks  
PART 3 THE TEST CODE Test hierarchies and organization The

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pillars of good unit tests PART 4  
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reference/guide to Pyomo

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by the software and support of complex real-world applications. Pyomo is an open source software package for formulating and solving large-scale optimization and operations research problems.

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(bounded contexts, language, and aggregates) to the corresponding available tools (CDI, JAX-RS, and JPA) within the Jakarta EE platform. Once you have completed the monolithic application, you will walk through the complete conversion of the

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monolith to a microservices-based architecture, again mapping the concepts of DDD and the corresponding available tools within the MicroProfile platform (config, discovery, and fault tolerance). To finish this section, you will examine the

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Eclipse RCP applications • NEW: Modeling generics with Ecore and generating Java 5 code About the Authors Dave Steinberg is a software developer in IBM Software Group. He has worked with Eclipse and modeling technologies since joining the

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company, and has been a committer on the EMF project since its debut in 2002. Frank Budinsky, a senior architect in IBM Software Group, is an original coinventor of EMF and a founding member of the EMF project at Eclipse. He is currently

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cochair of the Service Data Objects (SDO) specification technical committee at OASIS and lead SDO architect for IBM. Marcelo Paternostro is a software architect and engineer in IBM Software Group. He is an EMF committer and has been an

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active contributor to several other Eclipse projects. Before joining IBM, Marcelo managed, designed, and implemented numerous projects using Rational's tools and processes. Ed Merks is the project lead of EMF and a colead of the top-level

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Modeling project at Eclipse. He holds a Ph.D. in Computing Science and has many years of in-depth experience in the design and implementation of languages, frameworks, and application development environments. Ed works as a

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