

VALID 2024

The Sixteenth International Conference on Advances in System Testing and Validation Lifecycle

September 29 - October 03, 2024 Venice, Italy

VALID 2024 Editors

Jos van Rooyen, Huis voor softwarekwaliteit, Nederland Luigi Lavazza, Universita` degli Studi dell'Insubria, Italy

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571

Some format issues inheren	nt in the e-media	version may also	annear in this print versi	on.
Donie Torniae issues innere.	it iii tiic c iiicaia	TOISION MING	appear in this print (croi	

Copyright© (2024) by International Academy, Research, and Industry Association (IARIA) Please refer to the Copyright Information page.

Printed with permission by Curran Associates, Inc. (2024)

International Academy, Research, and Industry Association (IARIA) 412 Derby Way Wilmington, DE 19810

Phone: (408) 893-6407 Fax: (408) 527-6351

petre@iaria.org

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

Email: curran@proceedings.com Web: www.proceedings.com

Table of Contents

Analysis of Test Smell Impact on Test Code Quality Ismail Cebeci and Tugkan Tuglular	1
Precise Code Fragment Clone Detection Mariam Arutunian, Matevos Mehrabyan, Sevak Sargsyan, and Hayk Aslanyan	7
Addressing EvoSuite's Limitations: Method-Specific Test Case Generation and Execution in Controlled Environments Carlos Galindo, Manuel Gregorio, and Josep Silva	15