

# **2016 IEEE/ACM 1st International Workshop on Bringing Architectural Design Thinking Into Developers' Daily Activities (BRIDGE 2016)**

**Austin, Texas, USA  
17 May 2016**



**IEEE Catalog Number: CFP16G04-POD  
ISBN: 978-1-5090-2196-3**

**Copyright © 2016, Association for Computing Machinery  
All Rights Reserved**

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

IEEE Catalog Number:	CFP16G04-POD
ISBN (Print-On-Demand):	978-1-5090-2196-3
ISBN (Online):	978-1-4503-4153-0

**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](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

# **1st International Workshop on Bringing Architectural Design Thinking into Developers' Daily Activities (Bridge 2016)**

## **Table of Contents**

Message from the Workshop Chairs.....	vi
Committees and Reviewers .....	vii
Sponsors and Supporters .....	viii

### **Session 1**

Designite - A Software Design Quality Assessment Tool .....	1
<i>Tushar Sharma, Pratibha Mishra, Rohit Tiwari</i> — AUEB, India; Designite, India	
Towards Implementing Product Line Architecture .....	5
<i>Yongjie Zheng, Cuong Cu</i> — University of Missouri - Kansas City, USA	

### **Session 2**

Collaboration of Software Architect and Test Architect Helps to Systematically Bridge Product Lifecycle Gap.....	11
<i>Frances Paulisch, Peter Zimmerer</i> — Siemens AG, Germany	
Can Metamodels Link Development to Design Intent? .....	14
<i>M. Todd Gamble</i> — Verizon, USA	

### **Session 3**

Software Architecture Health Monitor .....	18
<i>Yuanfang Cai, Rick Kazman</i> — Drexel University, USA; University of Hawaii, USA	

Author Index .....	22
--------------------	----