2017 IEEE/ACM 1st International Workshop on Establishing the Community-Wide Infrastructure for Architecture-Based Software Engineering (ECASE 2017)

Buenos Aires, Argentina 22 May 2017



IEEE Catalog Number: ISBN:

CFP17L84-POD 978-1-5386-0418-2

Copyright © 2017 by the Institute of Electrical and Electronics Engineers, Inc All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. 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:
 CFP17L84-POD

 ISBN (Print-On-Demand):
 978-1-5386-0418-2

 ISBN (Online):
 978-1-5386-0417-5

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) 758-0400 Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



2017 IEEE/ACM 1st International Workshop on Establishing the Community-Wide Infrastructure for Architecture-Based Software Engineering (ECASE 2017)

,

Table of Contents

Message from ECASE 2017 Workshop Chairs	
ECASE 2017 Program Committee	VIII
ICSE 2017 Steering CommitteeICSE 2017 Sponsors and Benefactors	
103E 2017 Sponsors and Beneractors	A
ECASE 2017 Workshop Summary	1
Session 1	
Keynote 1: The Quest for Tau Ceti Jane Cleland-Huang — University of Notre Dame	2
Session 2	
Towards a Platform for Empirical Software Design Studies	3
Benchmark Requirements for Microservices Architecture Research	8
Ripple: A Test-Aware Architecture Modeling Framework	14

Towards Ontology-Based Software Architecture Representations	
Session 3	
Keynote 2: Musings on the Holy Grail of Reproducibility	}
Copper: Bringing Flexible Components to the .NET Framework)
Author Index	ò