

2016 IEEE/ACM 5th International Workshop on Theory-Oriented Software Engineering (TOSE 2016)

**Austin, Texas, USA
15 May 2016**



**IEEE Catalog Number: CFP16G09-POD
ISBN: 978-1-5090-2238-0**

**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:	CFP16G09-POD
ISBN (Print-On-Demand):	978-1-5090-2238-0
ISBN (Online):	978-1-4503-4174-5

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) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

5th International Workshop on Theory-Oriented Software Engineering (TOSE 2016)

Table of Contents

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

Session 2

Montessori + SE + ICT = SEET: Using SE to Teach SE	1
<i>Rina Zviel-Girshin and Nathan Rosenberg</i> — <i>Ruppin Academic Center, Israel; ParalexResearch, Israel</i>	
Theories, Theories Everywhere	8
<i>Dewayne E. Perry</i> — <i>The University of Texas at Austin, USA</i>	

Session 3

The Role of Semiotic Engineering in Software Engineering	15
<i>Vahdat Abdelzad, Timothy C. Lethbridge, and Mahmood Hosseini</i> — <i>University of Ottawa, Canada; Bournemouth University, United Kingdom</i>	
Parameterising a Theory of Software Problem Solving	22
<i>Jon G. Hall and Lucia Rapanotti</i> — <i>The Open University, United Kingdom</i>	
Systematic Approach for Mapping Software Development Methods to the Essence Framework	26
<i>Görkem Giray, Eray Tüzün, Bedir Tekinerdogan, and Yagup Macit</i> — <i>İzmir University, Turkey; Havelsan, Turkey; Wageningen University, Netherlands</i>	
Author Index	33