

2010 AGILE Conference

**Nashville, Tennessee, USA
9 – 13 August 2010**



**IEEE Catalog Number: CFP10330-PRT
ISBN: 978-1-4244-7731-9**

TABLE OF CONTENTS

SESSION 1: METRICS AND AGILE ADOPTION/IMPROVEMENT

Driving Process Improvement via Comparative Agility Assessment	1
<i>L. Williams, K. Rubin, M. Cohn</i>	
Using Factor Analysis to Generate Clusters of Agile Practices (A Guide for Agile Process Improvement)	9
<i>N. Abbas, A.M. Gravell, G.B. Wills</i>	
Capitalizing on Empirical Evidence During Agile Adoption	19
<i>H.C. Esfahani, E. Yu, M.C. Annosi</i>	

SESSION 2: AGILE PRACTICES

Reactive Variability Management in Agile Software Development.....	23
<i>Y. Ghanam, D. Andreychuk, F. Maurer</i>	
An Iterative Approach for Development of Safety-Critical Software and Safety Arguments	31
<i>X. Ge, R.F. Paige, J.A. McDermid</i>	
Adopting Code Reviews for Agile Software Development	40
<i>M. Bernhart, A. Mauczka, T. Grechenig</i>	

SESSION 3: DISTRIBUTED AGILE

Classes of Distributed Agile Development Problems	44
<i>M. Kajko-Mattsson, G. Azizyan, M.K. Magarian</i>	
Distributed and Automated Usability Testing of Low-Fidelity Prototypes.....	52
<i>A. Hosseini-Khayat, T.D. Hellmann, F. Maurer</i>	

SESSION 4: THE AGILE ORGANIZATION

The Impact of Organization, Project and Governance Variables on Software Quality and Project Success	60
<i>N. Abbas, A.M. Gravell, G.B. Wills</i>	
Stakeholder Identification in Agile Software Product Development Organizations: A Model for Understanding Who and What Really Counts	70
<i>K. Power</i>	
Author Index	