

2007 First International Workshop on Assessment of Contemporary Modularization Techniques

(ACOM)

**Minneapolis, Minnesota
20-26 May, 2007**



**IEEE Catalog Number: CFP0779C-PRT
ISBN: 978-0-7695-2967-7**

TABLE OF CONTENTS

On the Necessity of Empirical Studies in the Assessment of Modularization Mechanisms for Crosscutting Concerns	1
<i>S. Apel, C. Kastner, S. Trujillo</i>	
Identifying, Assigning, and Quantifying Crosscutting Concerns	8
<i>M. Eaddy, A. Aho, G. Murphy</i>	
Towards Assessing Modularity	14
<i>H. Melton, E. Tempero</i>	
Using Design Structure Matrices to Assess Modularity in Aspect-Oriented Software Product Lines	16
<i>P. Matos, R. Duarte, I. Cardim, P. Borba</i>	
Modularization with Externalization of Control Flow	19
<i>U. Vora</i>	
An Evolutionary Approach to Software Modularity Analysis	25
<i>S. Huynh, Y. Cai</i>	
Assessing Module Reusability	31
<i>C. Luer</i>	
Performing and Reviewing Assessments of Contemporary Modularization Approaches: What Constitutes Reasonable Expectations?	33
<i>R. Walker</i>	
Using Program Families for Maintenance Experiments	35
<i>S. Fleming, R.E. Stirewalt, L. Dillon</i>	
Indirect Coupling As a Criteria for Modularity	37
<i>H. Yang, E. Tempero</i>	
Semantic Dependencies and Modularity of Aspect-Oriented Software	39
<i>A. Neto, M. Ribeiro, M. Dosea, R. Bonifacio, P. Borba, S. Soares</i>	
Author Index	