

## Table of Contents

<b>Preface</b>	
B. WU, J.-P. BOURRIÈRES . . . . .	xiii
<b>Keynote - Services Engineering Curriculum: A Case Study</b>	
G. MOTTA, G. PIGNATELLI . . . . .	1
<b>Session A1 - Ethos, Model and Curriculum for Industry Oriented Software Education . . . . .</b>	<b>15</b>
An International Master's Program on Software Engineering at HIT-NPSS X. XU, H. LI, W. GUO . . . . .	17
Software Engineering Curriculum Discussion Based on CDIO Approach T. ZHANG, Q. ZHOU, Y. ZHU . . . . .	27
<b>Session B1 - Teaching and Learning Experiences for Software Education . .</b>	<b>33</b>
An Educative Experience of Autonomous Workgroups in the Subject of "Enterprise Computer Tools" A. BOZA, LI. CUENCA . . . . .	35
Return on Experience of a Joint Master's Program on Enterprise Software and Production Systems Th. ALIX, Z. JIA, D. CHEN . . . . .	40

<b>Session A2 - Ethos, Model and Curriculum for Industry Oriented Software Education</b> . . . . .	51
Review of Our Researches and Practices under SIOE Framework Y. WANG, X. XU . . . . .	53
Guidelines for <i>Student-as-Teacher</i> Service-Learning Projects C. O'LEARY, P. KELLY. . . . .	65
 <b>Session B2 - Teaching and Learning Experiences for Software Education</b> . .	69
Analyzing Academic Program Alignment: A Pair-wise Comparison Approach D. CARROLL . . . . .	71
Investigation and Practical Steps to Enhance Practical Project Ability of Students in Human-Computer Interface Design Y. ZHANG, Y. ZHU, J. WU, K. CAI . . . . .	85
The Four-for-one Software Engineer Education Practice in UESTC T. ZHONG, J. DENG, Z. QIN . . . . .	92
 <b>Session A3 - Ethos, Model and Curriculum for Industry-Oriented Software Education</b> . . . . .	99
A Government-University Joint Training Model of Software Talents X. LI, J. XIONG, S. XU . . . . .	101
EMé, a Flexible Environment for Competences Evaluation J.-M. JULLIEN, C. MARTEL, L. VIGNOLLET, M. WENTLAND . . . . .	106
Overcoming Student Resistance to Applying for Placement C.C.H. ROSEN . . . . .	112
The Analysis Report on Employment of Undergraduates from 2006 to 2008 in the School of Software at Harbin Institute of Technology F. MENG, Z. TONG, H. CHEN. . . . .	117
 <b>Session B3 - Teaching and Learning Experiences for Software Education</b> . .	125
Software Engineering Education by Example N. BOUDJLIDA, J.-P. JACQUOT, P. URSO . . . . .	127

Knowledge Structure and Ability Configuration of MSE H. LI, H. HUANG, H. CHEN, X. XU . . . . .	132
<b>Session A4 - Ethos, Model and Curriculum for Industry Oriented Software Education . . . . .</b>	<b>147</b>
Project-Based Software Development Training in Undergraduate Education of Software Engineering Q. WANG, X. CHEN, H. CHANG . . . . .	149
Project-Based Learning in Applied Innovation D. O’SULLIVAN, L. DOOLEY. . . . .	162
Detecting Plagiarism: Do Software Packages Help? D. PAYNE, M. TOAL . . . . .	173
<b>Session C1 - Integration and Interoperability of Enterprise Applications and Software . . . . .</b>	<b>183</b>
The Basics of Interoperability: A Curricula N. BOUDJLIDA, H. PANETTO . . . . .	185
An Integrated Approach for Teaching Product Data Management S. KASSEL, CH.-A. SCHUMANN, S. WINKELMANN . . . . .	190
Analysis of Bilingual Teaching Methods for Engineering Courses in China Y. PENG, Y. ZHANG, J. XU . . . . .	195
<b>Session D1 - Enterprise Application Oriented Training and Education . . . . .</b>	<b>203</b>
Cultivate Qualified Software Engineers Using PSP and TSP G. RONG, D. SHAO . . . . .	205
Creativity and Open-Ended Assessment in System Design C. O’LEARY, D. GORDON . . . . .	213
Institute-Industry Interaction in Educating Software Talents: An Interpenetration Approach Y. WANG, X. XU, P. LIU . . . . .	219

<b>Session D2 - Enterprise Application Oriented Training and Education . . .</b>	<b>227</b>
MRPII Learning Project Based on a Unified Common Case-study: Simulation, Reengineering and Computerization D. CHEN, B. VALLESPER . . . . .	229
Enterprise Application Oriented Tentative Design of Incremental Labs for Software Architecture Course Z. WANG, Y. WANG, Y. CHEN, X. XU . . . . .	238
Education in Enterprise Architecture Analysis J. ULLBERG, P. JOHNSON, R. LAGERSTRÖM . . . . .	248
<b>Session E1 - Bilingual Training and Education Issues in Software Engineering . . . . .</b>	<b>255</b>
Curriculum Framework for Embedded Engineering Direction S. ZHU, H. ZHOU, L. WANG . . . . .	257
<b>Session F1 - Quality Assurance in Industry Oriented Software Education</b>	<b>267</b>
To Improve MSE Dissertation Quality through Comprehensive Process Management S. LIU, P. MA, X. XU . . . . .	269
Nurturing Software Engineering Professionals of the 21 <sup>st</sup> Century by Cultivating Comprehensive Quality Y. WU, H. HE . . . . .	278
Seeking to Practice a Teaching Mode in the Software Engineering Specialty for Training Talented People in High-quality Software B. JIANG, Y. HU, M. PAN, Y. HU . . . . .	285
<b>Author Index . . . . .</b>	<b>291</b>