<table>
<thead>
<tr>
<th>Time</th>
<th>Sunday, September 18, 2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30pm – 6:00pm</td>
<td>Registration Lobby Level 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday, September 19, 2005</th>
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</thead>
<tbody>
<tr>
<td>8:30am – 9:00am</td>
<td>Registration Lobby Level 1</td>
</tr>
<tr>
<td>9:00am – 9:30am</td>
<td>Greetings Convention Room 4 Program Co-Chairs and Steering Committee Chair</td>
</tr>
<tr>
<td>9:30am – 10:30am</td>
<td>Keynote Speech Convention Room 4 Integrating Environments into Software Testing Mary Lou Soffa</td>
</tr>
<tr>
<td>10:30am – 11:00am</td>
<td>Tea Break Lobby Level 1</td>
</tr>
</tbody>
</table>

**Session 1A Software Testing I**

**Convention Room 4**

- Model-Based Testing of Concurrent Programs with Predictive Sequencing Constraints (P. Wu and H. Lin)
- Test Order for Class-based Integration Testing of Java Applications (N.L. Hashim, H.W. Schmidt, and S. Ramakrishnan)

**Session 1B Software Quality**

**Convention Room 3**

- Peer Reviews in Real Life - Motivators and Demotivators (L. Harjumaa, I. Tervonen, and A. Huttunen)
- Towards the UML Evaluation Using Taxonomic Patterns on Meta-Classes (H. Ma, Z. Ji, W. Shao, and L. Zhang)
- Preliminary Evaluation of Software Inspection Tools (H. Hedberg and J. Lappalainen)

**ISEAT 2005 – Session 1**

**Convention Room 2**

- Caste-Centric Agent-Oriented Programming (J. Wang, R. Shen, and H. Zhu)
- Enabling Agent-based Management of Web Services with WS2JADE (X. Nguyen and R. Kowalczyk)
- Guiding Agent-oriented Requirements Elicitation: HOMER (D. Wilmann and L. Sterling)

<table>
<thead>
<tr>
<th>Time</th>
<th>Tuesday, September 20, 2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:00pm – 5:15pm</td>
<td>Gathering Hotel Lobby</td>
</tr>
<tr>
<td>5:15pm – 6:00pm</td>
<td>Bus Travel to Banquet Location</td>
</tr>
<tr>
<td>6:00pm – 9:30pm</td>
<td>Conference Banquet Boat Cruise on MV Mandalay from Shed 14, Victoria Harbour, Docklands</td>
</tr>
<tr>
<td>9:30 – 10:00pm</td>
<td>Bus Travel back to Conference Hotel</td>
</tr>
</tbody>
</table>

**ISEAT 2005 – Session 2**

**Convention Room 2**

- Towards Making Agent UML Practical: A Textual Notation and a Tool (M. Winikoff)
- Design Patterns for Agent-based Service Composition in the Web (I. Müller, P. Braun, and R. Kowalczyk)
- Tool Support for Agent Development using the Prometheus Methodology (L. Padgham, J. Thangarajah, and M. Winikoff)

**Session 2A Software Modeling and Testing**

**Convention Room 4**

- Test Case Generation by OCL Mutation and Constraint Solving (B.K. Aichernig and P.A.P. Salas)

**Session 2B Web Based Development**

**Convention Room 3**

- Cost and Response Time Simulation for Web-based Applications on Mobile Channels (M. Book, V. Grubn, M. Hildner, and A. Köhler)
- Quality Assurance in the Design of Web Information Systems (A. Binemann-Zdanowicz, K.-D. Schewe, B. Thalheim, and J. Zhao)

**ISEAT 2005 – Session 2**

**Convention Room 2**

- Towards Goal-Oriented Design of Agent Systems (J. Khallouf and M. Winikoff)

**Session 3A Formal Methods**

**Convention Room 4**

- Verification of C Programs using Slicing Execution (X. Yi, J. Wang, and X. Tang)
- Automatic Generation of Analyzable Failure Propagation Models from Component-Level Failure Annotations (L. Grunske and F. Poulakis)
- Formal Fault Tree Analysis of State Transition Systems (J. Xiang, K. Ogata, and K. Futatsugi)

**Session 3B Software Components**

**Convention Room 3**

- A Multi-Property Trust Model for Reconfiguring Component Software (M. Zhou, H. Mei, and L. Zhang)
- Measuring the Complexity of a UML Component Specification (S. Mahmood and R. Lai)

**ISEAT 2005 – Session 3**

**Convention Room 2**

- Systematic Incremental Development of Agent Systems, using Prometheus (M. Perepletchikov and L. Padgham)
- Towards Goal-Oriented Design of Agent Systems (J. Khallouf and M. Winikoff)
9:00am – 10:30am

Session 4A Software Architecture
Convention Room 4
Replication for Adaptive Responsiveness in Service-Oriented Systems (S.S. Yau, G. Goyal, and Y. Yau)
Capturing and Using Software Architecture Knowledge for Architecture-based Software Development (M.A. Babar, I. Gorton, and R. Jeffrey)
Runtime Validation of Behavioural Contracts for Component Software (Y. Jin and J. Han)

Session 4B Database Modeling and Applications
Convention Room 3
Fault-Based Testing of Database Application Programs with Conceptual Data Model (W.K. Chan, S.C. Cheung, and T.H. Tse)
Proving the Safety of SQL Queries (S. Brass and C. Golderberg)
Higher Order Entity Relationship Modeling with UML (A. Tretiakov and S. Hartmann)

10:30am – 11:00am

Tea Break
Lobby Level 1

11:00am – 12:30pm

Session 5A Requirements Engineering
Convention Room 4
Ontology-based Requirements Analysis: Lightweight Semantic Processing Approach (H. Kaiya and M. Saeki)
Domain Consistency in Requirements Specification (S. Acharya, H. Mohanty, C. George, and R.K. Shyamasundar)

Session 5B Software Testing II
Convention Room 3
A Method of Generating Massive Virtual Clients and Model-based Performance Test (G-B. Kim)
An Ant Colony Optimization Approach to Test Sequence Generation for State-based Software Testing (H. Li and C.P. Lam)

12:30pm – 1:30pm

Lunch
Convention Room 5

1:30pm – 3:00pm

Session 6A Software Metrics and Tools
Convention Room 4
Study on Application of a Quantitative Evaluation Approach for Software Architecture Adaptability (X. Liu and Q. Wang)
Case Studies: The Potential Teaching Instruments for Software Engineering (V. Varma and K. Garg)

GPWW 2005 – Session 1
Convention Room 3
An Efficient Consistency Management Algorithm for Real-Time Mobile Collaboration (S. Citro, J. McGovern, and C. Ryan)
Principles of Timing Anomalies in Superscalar Processors (J. Wenzel, R. Kirner, P. Pischner, and B. Rieder)

GPWW 2005 – Session 2
Convention Room 3
A Service Workflow Management Framework based on Peer-to-Peer and Agent Technologies (J. Yan, Y. Yang, R. Kowalczyk and X.T. Nguyen)
Scientific Workflow Management: Between Generality and Applicability (Z. Zhao, A. Bellunn, A. Wibisono, F. Terpstra, P.T. de Boer, P. Sloot, and B. Hertzberger)

3:00pm – 3:30pm

Tea Break
Lobby Level 1

3:30pm – 4:30pm

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GPWW 2005 – Session 2
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Interactive Visualisation and Testing of Jini Services (B. Quig, J. Rosenberg, M. Kölling, and P. Steele)
OMWS – An Ontology-based Model for Web Services Composition (J. Ma and Y. Zhang)

SEIW 2005 – Session 1
Convention Room 2
Relevant Past Performance for Selecting Web Services (W. Sherchan, S. Krishnaswamy, and S.W. Loke)
An Operational Semantics for DFM, a Formal Notation for Modelling Asynchronous Web Services (J. Yang, C. Cirsesta, and P. Henderson)
Operating Guidelines – An Automata-theoretic Foundation for the Service-Oriented Architecture (P. Massathe and K. Schmidt)

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Session 7A Web Services
Convention Room 4
Designing Services for Learning Software Applications (A. Tretiakov and P-L. Poon)

Session 7B User Interfaces
Convention Room 3
A System to Mark Programs Automatically (K. Ngo-Pham, J. Bigham, J. Rodaway, and L. Tokarchuk)
Teaching Three Quality Assurance Techniques in Tandem: Lessons Learned (C. Kutay and M.A. Babar)

Registration
Lobby Level 1

Final Program
Tuesday, September 20, 2005
8:30am – 9:00am
Registration
Lobby Level 1

9:00am – 12:30pm
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GPWW 2005 – Session 1
Convention Room 3
A Peer-to-Peer Architecture for Workflow in Virtual Enterprises (J. Noli)
A Data Mining-based Framework for Grid Workflow Management (A. Congiusta, G. Greco, A. Gueso, G. Manco, L. Pontieri, D. Saccé, and D. Talia)

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