

# Thursday, 13 July

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**0700-0745**

**Speakers/Session Chairs' Breakfast** – *ChampionsGate*

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**0700-0800**

**Continental Breakfast** – *Foyer*

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**0700-1600**

**Symposium Registration** – *Rotunda*

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**0700-1500**

**Speaker Ready Room** – *Wentworth*

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**0700-1500**

**Cyber Café** *sponsored by Boeing* – *St. Andrew A*

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**0800-1200**

**Half-Day Optional Tutorials (Ticket Required)** - See page 71

**Tutorial H07**

**CSEP Application Preparation**

Robert B. Wheeler

*The Center for Systems Management*

**Location:** *Royal Melbourne A*

**Tutorial H08**

**Introduction to Architecture Frameworks**

Rolf Siegers, *Raytheon Company*

**Location:** *Royal Melbourne B*

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**0800-1300**

**Exhibits Open**

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**0800-1300**

**INCOSE Meetings** - See **INCOSE Business Meetings** - pg 159

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**0830-1000**

**SESSION 10: Technical Paper & Special Session Tracks** -

See page 68

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**1000-1030**

**Coffee Break in Exhibit Hall**

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**1030-1200**

**SESSION 11: Technical Paper & Special Session Tracks** -

See page 69

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**1200-1300**

**Light Lunch in Exhibit Hall**

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**1300-1500**

**Thursday Closing Keynote / Plenary Session** – *National D* - pg 70

**Systems Engineering Challenges From an Automotive Perspective**

Herbert Negele, *BMW*

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**1500-1600**

**Closing Reception** – *Foyer*

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## *Friday, 14 July*

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**0800-1200**

**UCF Institute of Simulation Training Tour - *Ticket Required***

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**0800-1730**

**NASA Kennedy Space Center Tour - *Ticket Required***

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# Technical Paper Matrix

**THURSDAY, 13 JULY 2006**

<b>SESSION</b>	<b>ENABLER</b>	<b>APPLICATION SECTOR</b>	<b>PAPERS</b>
<b>10.1</b>	S.E. Management Process	Aerospace & Defense	3
<b>10.2</b>	S.E. Support Process	Multiple	3
<b>10.3</b>	Modeling & Tools	Emerging Technologies	2
<b>10.4</b>	Specialty Engineering	Enterprise	1
		Multiple	1
<b>11.1</b>	S.E. Technical Process	Aerospace & Defense	3
<b>11.2</b>	S.E. Management Process	Consumer Goods	1
		Multiple	1
		Aerospace & Defense	1
<b>11.3</b>	S.E. Support Process	Emerging Technologies	3
<b>11.4</b>	Modeling & Tools	Enterprise	3

<b>Session Chair:</b>	<b>10.1 SE Management Process</b> <i>K. Ptack</i>	<b>10.2 SE Support Process</b> <i>J. Fisher</i>	<b>10.3 Modeling Tools</b> <i>R. Grzybowski</i>	<b>10.4 Specialty Engineering</b> <i>R. Botta</i>	<b>10.5 Special Session</b> <i>V. Densler</i>	<b>10.6 Special Session</b> <i>M. Kiemele</i>
0830-0855	10.1.1 An Index to Measure and Monitor a System of Systems' Performance Risk <i>P. R. Garvey, C.C. Cho, The MITRE Corporation</i>	10.2.1 The Dual Vee - Illuminating the Management of Complexity <i>H. A. Mooz, K. Forsberg, The Center for Systems Management</i>	10.3.1 The "Big Navy" Meta-model as a Framework for Major Defense Development Projects <i>C. M. Ryder, Johns Hopkins University APL</i>	10.4.1 Certification & Accreditation: The Role of Security Engineering in the Systems Development Life Cycle <i>J. S. Iysenn, Harris Corporation - GCSD</i>	Systems Engineer Quiz Game	Using Design of Experiments with Modeling and Simulation to Enhance the Practice of Systems Engineering
0900-0925	10.1.2 Using Earned Value to Track Requirement Progress <i>P. Solomon, Northrop Grumman IS</i>	10.2.2 IDEFO Lessons Learned <i>D. K. Smith, UGS Corporation</i>	10.3.2 An Enterprise Systems Engineering Model <i>R. S. Swartz, G. Rebovich, Jr., J. K. DeRosa, The MITRE Corporation</i>	10.4.2 Managing Compatibility Throughout the Product Life Cycle of Embedded Systems: Definition and Application of an Effective Process to Control Compatibility <i>F. H. Bornemann, S. Wenzel, 3D Systems Engineering GmbH</i>		
0930-0955	10.1.3 Reaching CMMI Level 5 is More Than Just Having Adequate Metrics <i>R. O. Lewis, J. F. Duckworth, The Boeing Company</i>	10.2.3 On the Use of Semantic Web Technology for Requirements Satisfaction, or How Do I Find a Good Bike? <i>D. Price, R. Bodington, Eurostep Limited</i>				

	National A	National B	National C	National D	Royal Dublin A	Royal Dublin B
<b>Session Chair:</b>						
1030-1055	<p><b>11.1 SE Technical Process</b> <i>D. Battersby</i></p> <p>11.1.1 Technical Performance Measures J. Oakes, R. Boito, BAE Systems; A. T. Bahill, University of Arizona</p>	<p><b>11.2 SE Management Process</b> <i>J. Armstrong</i></p> <p>11.2.1 Challenges in the Application of Systems Engineering Principles to the Design of Appealing Consumer Products V. Agouridas, J. R. Longstaff, T. Childs, A. McKay, University of Leeds</p>	<p><b>11.3 SE Support Process</b> <i>R. Grzybowski</i></p> <p>11.3.1 How Good Is A Process? Evaluating Engineering Processes &amp; Efficiency T. S. Gilb, RPL</p>	<p><b>11.4 Modeling &amp; Tools</b> <i>M. Sampson</i></p> <p>11.4.1 Generating Predictive Models Using Decision Trees and Neural Networks for Large-Scale Systems Engineering R. Selby, Northrop Grumman Space Technology</p>	<p><b>11.5 Special Session</b> <i>V. Densler</i></p> <p>Systems Engineer Quiz Game (Continued from 10.5)</p>	<p><b>11.6 Special Session</b> <i>M. Kiemele</i></p> <p>Using Design of Experiments with Modeling and Simulation to Enhance the Practice of Systems Engineering (Continued from 10.6)</p>
1100-1125	<p>11.1.2 Innovative Systems Engineering: A Creative System Development Approach R. A. Powell, US Military Academy; D. Buede, Innovative Decisions, Inc.</p>	<p>11.2.2 The Systems Project: Life Cycle Development/Management of as Many as Four Interrelated Systems A. S. Paul, C. Ogunwanna, Howard University</p>	<p>11.3.2 Using Fuzzy Decision Support to Compare Systems Modelling Tools E. Rajabally, S. Whittle, Systems Engineering Innovation Centre</p>	<p>11.4.2 Top 40 Systems Engineering Work Products from Phrase Lists and Self-Organizing Maps D. G. Beshore, The Aerospace Corporation</p>		
1130-1155	<p>11.1.3 An Introduction to Network Centric Warfare A. Gastelum, The Boeing Company; C. Dagli, A. Miller, University of Missouri-Rolla</p>	<p>11.2.3 Integration Challenges of Complex Systems B. R. Hoskins, J. M. Striegel, The Boeing Company</p>	<p>11.3.3 Enabling Measurement-Driven System Development by Analyzing Testing Strategy Tradeoffs R. Selby, Northrop Grumman Space Technology</p>	<p>11.4.3 Advancing the Canadian Capability Engineering Approach C. Lalancette, M. Lizotte, C. Nécaille, Defence R&amp;D Canada-Valkarrier; W. Robbins, B. Waruszynski, Defence R&amp;D Canada-Ottawa</p>		