Personalized Itinerary Planner

AIAA Science and Technology Forum and Exposition 2014
January 11 - 18, 2014

To make changes to your itinerary or view the full meeting schedule, visit http://aiaa-mst14.abstractcentral.com/itin.jsp
**Saturday, January 11, 2014**

*You have nothing scheduled for this day*

**Sunday, January 12, 2014**

*You have nothing scheduled for this day*

**Monday, January 13, 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Info</th>
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<tbody>
<tr>
<td>10:00 AM-12:30 PM</td>
<td><strong>Chesapeake Conference Room 7, Solver Technology for Turbulent Flows I</strong></td>
</tr>
<tr>
<td>10:30-11:00 AM</td>
<td><em>Oral Presentation (Invited). Convergence Enhancements for an Unstructured Grid Flow Solver</em> A.W. Cary; A.J. Dorgan; M. Mani</td>
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<tr>
<td>10:00 AM-12:30 PM</td>
<td><strong>Chesapeake Conference Room 4, Optimization Methods and Algorithms I</strong></td>
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<tr>
<td>2:30 PM-5:30 PM</td>
<td><strong>Maryland Ballroom 4, Best Practices for CFD Validation - Validation of Numerical Models Discussion Group (Invited)</strong></td>
</tr>
<tr>
<td>3:00-3:30 PM</td>
<td><em>AIAA-2014-0202. Observations on CFD Verification and Validation from the AIAA Drag Prediction Workshops</em> J.H. Morrison; W.L. Kleb; J.C. Vassberg</td>
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<tr>
<td>2:30 PM-5:30 PM</td>
<td><strong>Azalea 2, Aircraft Design Optimization</strong></td>
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<tr>
<td>2:30 PM-5:30 PM</td>
<td><strong>Chesapeake Conference Room 4, Aerodynamic and Aircraft Optimization</strong></td>
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<tr>
<td>3:30-4:00 PM</td>
<td><em>AIAA-2014-0289. Multi-objective Airfoil Design Using Variable-Fidelity CFD Simulations and Response Surface Surrogates</em> S. Koziel; L.T. Leifsson</td>
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Tuesday, January 14, 2014

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<thead>
<tr>
<th>Time</th>
<th>Session Info</th>
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<tbody>
<tr>
<td>10:00 AM-12:30 PM,</td>
<td><strong>Special Session: Aerodynamic Design Optimization: Current Trends and Future Direction I</strong></td>
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<tr>
<td>Maryland Ballroom</td>
<td>J.C. Vassberg; S. Ledoux; J.G. Coder</td>
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<tr>
<td>10:30-11:00 AM</td>
<td><strong>Adjoint-Based Aerodynamic Optimization Framework</strong> F. Bisson; S. Nadarajah</td>
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<tr>
<td>11:00-11:30 AM</td>
<td><strong>Application of Control Point-Based Aerodynamic Shape Optimization to Two-Dimensional Drag Minimization</strong> D.J. Poole; C.B. Allen; T. Rendall</td>
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<tr>
<td>10:00 AM-12:3</td>
<td><strong>Integrated Computational Materials Engineering I</strong> G. Hahn; M. Thomas; L. Pado; S.L. Liguore; S. Tyahla</td>
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<tr>
<td>30 PM, Chesapeake</td>
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<tr>
<td>Conference Room 4</td>
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<tr>
<td>11:30-12:00 PM</td>
<td><strong>Application of a Risk Quantification Approach to Aerospace Manufacturing Using Bayesian Networks</strong> G. Hahn; M. Thomas; L. Pado; S.L. Liguore; S. Tyahla</td>
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<tr>
<td>12:00-12:00 PM</td>
<td>Abstract Withdrown</td>
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<tr>
<td>2:30 PM-5:30 PM, Mary</td>
<td>**Special Session: Aerodynamic Design Optimization: Current Trends and Future</td>
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<tr>
<td>Barryroom 3,</td>
<td>Direction II</td>
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<td>2:30-3:00 PM</td>
<td>**AIAA-2014-0567. RANS-based Aerodynamic Shape Optimization of the Common</td>
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<td>Research Model Wing** Z. Lyu; G.K. Kenway; J. Martins</td>
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<tr>
<td>2:30 PM-5:30 PM, Mary</td>
<td><strong>Propeller/Rotorcraft Aerodynamics II</strong></td>
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<td>Barryroom A,</td>
<td><strong>AIAA-2014-0563. Constrained and Unconstrained Propeller Blade Optimization</strong></td>
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<td>J. Dorfling; K. Rokhsaz</td>
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<td>2:30 PM-5:30 PM, Mary</td>
<td>**Special Session: Aerodynamic Design Optimization: Current Trends and Future</td>
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<tr>
<td>Barryroom 3,</td>
<td>Direction II</td>
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<td>3:00-3:30 PM</td>
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<td>**AIAA-2014-0568. Gradient-Based Aerodynamic Optimization with the elsA</td>
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<td>Software G. Carrier; D. Destarac; A. Dumont; M. Meheut; I. Salih El Din; J.</td>
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<td>Peter; S. Ben Khelil; J. Brezillon; M. Pestana</td>
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<td>3:30-4:00 PM</td>
<td>**AIAA-2014-0569. Aerodynamic Shape Optimization by Automatic Hybrid Genetic</td>
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<td>Tool OPTIMENGA_AERO B. Epstein; S. Peigin</td>
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<td>2:30 PM-5:30 PM, Mary</td>
<td><strong>Air Breathing Propulsion System Integration and Optimization</strong></td>
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<td>Barryroom D,</td>
<td>**AIAA-2014-0531. Design Optimization of a Scramjet Vehicle for Ascent Using</td>
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<td>Surrogate Optimization D.J. Dalle; J.F. Driscoll</td>
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<td>3:30-5:00 PM</td>
<td>**AIAA-2014-0571. Application of Jetstream to a Suite of Aerodynamic Shape</td>
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<td>Optimization Problems K. Telidetzki; L. Osusky; D.W. Zingg</td>
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<td>5:00-5:30 PM</td>
<td>**AIAA-2014-0572. Aerodynamic Design Optimization: Physics-based Surrogate</td>
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<td>Approaches for Airfoil and Wing Design L.T. Leifsson; S. Koziel; S. Hosder</td>
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<td>2:30 PM-5:30 PM, Ches</td>
<td><strong>Nonlinear Dynamics and Aeroelasticity</strong></td>
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<td>apeake Conference</td>
<td>**AIAA-2014-0680. Aeroservoelastic Optimization of Varying Wing Sweep Angle</td>
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<tr>
<td>Room B,</td>
<td>Platform S. Buchnik; M. Karpel</td>
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<td>5:00-5:30 PM</td>
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Wednesday, January 15, 2014
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<tr>
<th>Time</th>
<th>Session Info</th>
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<tbody>
<tr>
<td>10:00 AM-12:30 PM, Maryland Ballroom A, <strong>Special Session: 2nd High Lift Prediction Workshop (HiLiftPW-2)</strong> I</td>
<td></td>
</tr>
<tr>
<td>10:00-11:00 AM</td>
<td><strong>AIAA-2014-0747. Overview and Summary of the Second AIAA High Lift Prediction Workshop</strong> C.L. Rumsey; J.P. Slotnick</td>
</tr>
<tr>
<td>2:00 PM-5:30 PM, Maryland Ballroom 4, <strong>Aerodynamic and Multi-Disciplinary Design and Optimization</strong></td>
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<tr>
<td>2:00-2:30 PM</td>
<td><strong>AIAA-2014-0898. Efficient Global Optimization using a Multi-objective Approach Infill Sampling Criteria</strong> S. Yi; H.I. Kwon; S. Choi</td>
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<tr>
<td>2:00 PM-5:30 PM, Woodrow Wilson B, <strong>Blade and Turbine Design II</strong></td>
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<tr>
<td>3:00-3:30 PM</td>
<td><strong>AIAA-2014-1082. Structural Optimization of Multi-Megawatt, Offshore Vertical Axis Wind Turbine Rotors</strong> M. Schelbergen; L. Bernhammer; C. Simao Ferreira; E. Ferede</td>
</tr>
<tr>
<td>2:00 PM-5:30 PM, Maryland Ballroom 4, <strong>Aerodynamic and Multi-Disciplinary Design and Optimization</strong></td>
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</tr>
<tr>
<td>4:00-4:30 PM</td>
<td><strong>AIAA-2014-0902. Wing Shape Optimization Using Local Response Surface Approximations, Space Mapping and Physics-Based Surrogates</strong> S. Koziel; L.T. Leifsson</td>
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<tr>
<td>Time</td>
<td>Session Info</td>
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<tr>
<td>8:00 AM-11:00 AM, Chesapeake Conference Room 6, <strong>Optimization Methods and Algorithms III</strong></td>
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<tr>
<td>8:30-9:00 AM</td>
<td><strong>(Conflict)</strong></td>
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<tr>
<td>8:00 AM-11:00 AM, Chesapeake Conference Room 5, <strong>NASA Multidisciplinary UQ Challenge II</strong></td>
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Thursday, January 16, 2014

**Time** | **Session Info**
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2:30 PM-5:30 PM, Maryland Ballroom 6, **Applications of CFD II**
2:30-3:00 PM | **AIAA-2014-1268. Coupled Fluid-Structure Interaction Analysis of Solid Rocket Motor with Flexible Inhibitors** H.Q. Yang; J. West

Friday, January 17, 2014
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:30-9:00 AM</td>
<td>(Conflict)</td>
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<tr>
<td>9:00-9:30 AM</td>
<td>AIAA-2014-1499. Bayesian Framework for Multidisciplinary Uncertainty Quantification and Optimization C. Liang</td>
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<td>8:00 AM-12:00 PM</td>
<td><strong>Legacy Fleet Fuel Efficiency – Reducing the USAF’s Multi-Billion Dollar Annual Fuel Bill</strong></td>
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<tr>
<td>10:00-10:30 AM</td>
<td>(Conflict)</td>
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<tr>
<td>10:00-10:30 AM</td>
<td>AIAA-2014-1458. Computational Aerodynamic Analysis for the Formation Flight for Aerodynamic Benefit Program J.P. Slotnick</td>
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<tr>
<td>8:00 AM-11:00 AM</td>
<td><strong>Modeling and Simulation of Space Systems</strong></td>
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<tr>
<td>10:00-10:30 AM</td>
<td>(Conflict)</td>
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<tr>
<td>10:00-10:30 AM</td>
<td>AIAA-2014-1495. Automatic Parameter Tuning for the Morpheus Vehicle Using Particle Swarm Optimization B. Birge</td>
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<tr>
<td>8:00 AM-11:00 AM</td>
<td><strong>Damage Mechanics/Damage Tolerance</strong></td>
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<tr>
<td>10:00-10:30 AM</td>
<td>(Conflict)</td>
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<td>10:00-10:30 AM</td>
<td>AIAA-2014-1529. Sequential Bayesian Approach to Probabilistic Damage Tolerance Analysis K. Halbert; L.M. Fitzwater</td>
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Saturday, January 18, 2014

You have nothing scheduled for this day