MONDAY, MAY 4, 2009

9:00 a.m. - 5:00 p.m.  Exhibitor Move-in & Registration
Exhibit Hall B1 & Hall B1 Foyer
Ernest N. Morial Convention Center

3:00 p.m. - 5:00 p.m.  Early Registration Check-in
Exhibit Hall B1 Foyer
Ernest N. Morial Convention Center

TUESDAY, MAY 5, 2009

7:00 a.m. - 9:00 a.m.  Exhibitor Move-in & Registration Continues
Exhibit Hall B1 & Hall B1 Foyer

7:30 a.m. - 8:15 a.m.  Continental Breakfast
Room 225/226/227
Ernest N. Morial Convention Center

8:15 a.m. - 8:30 a.m.  Opening Session Prelude
Brass Quintet from the
Marine Forces Reserve Band
Riverside Rooms (R02/03/04/05)

8:30 a.m. - 11:30 a.m.  Opening Session

8:30 a.m. - 8:35 a.m.  Administrative Remarks

8:35 a.m. - 8:40 a.m.  Color Guard
377th Theater Support Command
Special Troops Battalion

8:40 a.m. - 9:00 a.m.  Welcoming Remarks
  • Matt Kallmyer,
    Deputy Director,
    New Orleans Office of Homeland
    Security and Emergency Preparedness

9:00 a.m. - 10:00 a.m.  General Session
  • Keynote Speaker

Mr. Patrick B. Davis
Program Manager
Office of Vehicle Technologies Program,
Energy Efficiency and Renewable
Energy
U.S. Department of Energy
TUESDAY, MAY 5, 2009 (CONTINUED)

10:00 a.m. - 5:00 p.m.  Exhibit Hall Open
                        Exhibit Hall B1 Foyer
                        Ernest N. Morial Convention Center

10:00 a.m. - 10:30 a.m. Coffee Break in Exhibit Hall
                        Exhibit Hall B1

10:30 a.m. - 11:30 a.m. General Session (continues)
                        Riverside Rooms (R02/03/04/05)
                        • OIF Session
                          Moderator: CWO5 Pam Good (USMC)
                          “Past, Current Projected Ops for Power
                          Missions & Lessons Learned in Iraq”

11:30 a.m. - 1:00 p.m. LUNCH in Exhibit Hall
                        Exhibit Hall B1
                        Luncheon Speaker
                        • Ms. Adele Rarcliff
                          OSD MANTECH Program

1:00 p.m. - 2:30 p.m.  Conference Break-out Sessions
                        • Primary Batteries
                          Room 228/229/230
                        • Fuel Cells I
                          Room 217/218

2:30 p.m. - 3:00 p.m.  Coffee Break in Exhibit Hall
                        Exhibit Hall B1

3:00 p.m. - 5:00 p.m.  Conference Break-out Sessions
                        • Rechargeable Batteries
                          Room 228/229/230
                        • Fuel Cells II
                          Room 217/218
                        • Cross-Cutting Power
                          Room 231/232

5:00 p.m. - 6:00 p.m.  Free Time, Exhibit Hall Closed

6:00 p.m. - 8:00 p.m.  Conference Reception in Exhibit Hall
                        Exhibit Hall B1
                        Ernest N. Morial Convention Center

Highlights will include:

Tuesday, May 5, 2009

• Keynote Speaker:
  Mr. Pat Davis (DoE)

• OIF Session

• Luncheon Speaker:
  Adele Rarcliff
  OSD MANTECH Program

Break-out Sessions:

• Primary Batteries
• Fuel Cells I & II
• Rechargeable Batteries
• Cross-Cutting Power
• Mobile Electric Power
• USMC Way Forward
• Large Scale Power
• Future Focus on Power
• On-Board Vehicle Power I, II & III
• Safety
• Connectors
• Vehicle Battery Maintenance
• Portable Support Equipment
• Power Distribution I & II
• Renewables
• Hybrids
Wednesday, May 6, 2009

7:30 a.m. - 8:30 a.m.  Continental Breakfast
Room 225/226/227
Ernest N. Morial Convention Center

8:30 a.m. - 9:30 a.m.  Conference Break-out Sessions continue
• Mobile Electric Power
  Room 228/229/230

9:00 a.m. - 5:00 p.m.  Exhibit Hall Open
Exhibit Hall B1 Foyer
Ernest N. Morial Convention Center

9:30 a.m. - 10:00 a.m.  Coffee Break in Exhibit Hall
Exhibit Hall B1

10:00 a.m. - 11:30 a.m.  Conference Break-out Sessions continue
• USMC Way Forward
  Room 228/229/230
• Large Scale Power
  Room 217/218

11:30 a.m. - 1:00 p.m.  LUNCH in Exhibit Hall
Exhibit Hall B1

Luncheon Speaker
• Mr. Larry C. Triola
  Futurist for the Warfare Systems
  Concepts Branch Warfare Analysis &
  Advanced Concepts Division, Warfare
  Systems Department Naval Surface
  Warfare Center, Dahlgren Division

1:00 p.m. - 2:30 p.m.  Conference Break-out Sessions continue
• Future Focus on Power
  Room 228/229/230
• On-Board Vehicle Power I
  Room 217/218
• Safety
  Room 231/232

2:30 p.m. - 3:00 p.m.  Coffee Break in Exhibit Hall
Exhibit Hall B1
Wednesday, May 6, 2009 (continued)

3:00 p.m. - 4:00 p.m.  Conference Break-out Sessions continue
- Vehicle Battery Maintenance
  Room 228/229/230
- Portable Support Equipment
  Room 217/218
- Connectors
  Room 231/232

- Evening Free-

Thursday, May 7, 2009

7:30 a.m. - 8:00 a.m.  Continental Breakfast
                      Room 225/226/227
                      Ernest N. Morial Convention Center

8:00 a.m. - 9:30 a.m.  Conference Break-out Sessions continue
- Power Distribution I
  Room 228/229/230
- On-Board Vehicle Power II
  Room 217/218
- Renewables
  Room 231/232

9:00 a.m. - 12:00 p.m.  Exhibit Hall Open
                        Exhibit Hall B1 Foyer
                        Ernest N. Morial Convention Center

9:00 a.m. - 12:00 p.m.  "View Exhibits Only" General Public
                        Exhibit Hall B1 Foyer
                        Ernest N. Morial Convention Center

9:30 a.m. - 10:00 a.m.  Coffee Break in Exhibit Hall
                        Exhibit Hall B1

10:00 a.m. - 11:30 a.m.  Conference Break-out Sessions continue
- Power Distribution II
  Room 228/229/230
- On-Board Vehicle Power III
  Room 217/218
- Hybrids
  Room 231/232

11:30 a.m.  Adjourn

12:00 p.m. - 5:00 p.m.  Exhibitor Move-out

Break-out Sessions:
- Primary Batteries
- Fuel Cells I & II
- Rechargeable Batteries
- Cross-Cutting Power
- Mobile Electric Power
- USMC Way Forward
- Large Scale Power
- Future Focus on Power
- On-Board Vehicle
  Power I, II & III
- Safety
- Connectors
- Vehicle Battery Maintenance
- Portable Support Equipment
- Power Distribution I
- Renewables
- Power Distribution I & II
- Hybrids
### Tuesday, May 5, 2009

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<th>Primary Batteries</th>
<th>Fuel Cells</th>
<th>Cross-Cutting Power</th>
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<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Mike Brandage (Army)</td>
<td>Justin Gavar (USMC)</td>
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<tr>
<td>2-A 8351</td>
<td>Ms. Rebecca M. Morris</td>
<td>4-A 8288</td>
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<tr>
<td>Advanced Commercial Battery</td>
<td>Mr. Francis P. Sokolowski</td>
<td>Joint Defense Manufacturing Technology Panel (JDMTP) Power Sources</td>
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<tr>
<td>Packaging Technology to Improve Battery</td>
<td>Technical Working Group (TWG) Fuel Cell Roadmap</td>
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<tr>
<td>2-B 8461</td>
<td>Dr. Gregg C. Bruce</td>
<td>4-B 8372</td>
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<tr>
<td>Survival Systems</td>
<td>8468</td>
<td>Mr. Kenneth Burt</td>
<td></td>
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<tr>
<td>2-C 8472</td>
<td>Dr. Hisashi Tsukamoto</td>
<td>4-C 8368</td>
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<tr>
<td>Development of a “Half-Sized” BA-5590 with Li/CfX Cells</td>
<td>Lessons Learned from the Defense Logistics Agency’s Hydrogen and Fuel Cell Demonstration Project at Defense Depot Susquehanna, PA (DDSP)</td>
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<tr>
<td>2:30 p.m. - 3:00 p.m.</td>
<td>Coffee Break in Exhibit Hall</td>
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<tr>
<td>3:00 p.m. - 5:00 p.m.</td>
<td>Rechargeable Batteries</td>
<td>Fuel Cells II</td>
<td>Cross-Cutting Power</td>
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<tr>
<td>Room 228/229/230</td>
<td>Room 217/218</td>
<td>Room 231/232</td>
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<tr>
<td>3-A 8576</td>
<td>Don Brockel (Army)</td>
<td>5-A 8464</td>
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<td>Mr. Jim Hess</td>
<td>Nick Prountos (FBI)</td>
<td>Mr. Mack W. Knobbe</td>
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<tr>
<td>Advanced Lithium Power Sources – Real World</td>
<td>5-B 8212</td>
<td>Portable Electrical Power</td>
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<tr>
<td>Experiences and Next Steps</td>
<td>Mr. Christian Boehm</td>
<td>Supply for Aeromedical</td>
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<tr>
<td>3-B 7770</td>
<td>6-A 8283</td>
<td>Evacuations</td>
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<tr>
<td>Mr. William R. Johnson</td>
<td>Mr. Luis Villareal</td>
<td>Lithium Non-rechargeable</td>
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<td>Standardization of Aircraft Batteries Using Lithium Rechargeable Batteries</td>
<td>Batteries Production</td>
<td>Improvements</td>
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<tr>
<td>5-C 8501</td>
<td>6-B 8463</td>
<td>Mr. Christine B. Holsclaw</td>
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<tr>
<td>Mr. John Heinzl</td>
<td>Integrated Starter Generator – More</td>
<td>Large Format Li Ion</td>
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<tr>
<td>Generator Operations Application</td>
<td>6-D 8448</td>
<td>Acid Applications</td>
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<tr>
<td>3-D 8496</td>
<td>Dr. Neil Fernandes</td>
<td>Mr. William Tharp</td>
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<tr>
<td>Mr. John Heinzl</td>
<td>Development of a Solid Oxide</td>
<td>The Role of Solid State Power Controllers in Smart Power Management</td>
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<tr>
<td>Advanced Battery-Based Energy Storage Systems for Uninterruptible Power Supply, Single</td>
<td>Fuel Cell Utilizing Logistics</td>
<td>and Distribution</td>
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<td>Generator Operations Application</td>
<td>Fuels</td>
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<tr>
<td>5:00 p.m.</td>
<td>8442</td>
<td>Mr. Rod B. Vera</td>
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<tr>
<td>Adjourn - Free time until Reception in Exhibit Hall</td>
<td>Wastage Gasification by the Use of</td>
<td>Novel Plasma System</td>
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<tr>
<td>Time</td>
<td>Session Title</td>
<td>Moderator</td>
<td>Talks</td>
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<tr>
<td>7:30 a.m.</td>
<td>Continental Breakfast</td>
<td>Regina Daniels (PM-MEP)</td>
<td>Mobile Electric Power Room 228/229/230</td>
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<tr>
<td>7:30 a.m.</td>
<td>Session Title</td>
<td>Riverside Daniel</td>
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<tr>
<td>8:30 a.m.</td>
<td>7-A 8377</td>
<td>Mr. Michael C. Padden</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
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<tr>
<td>9:00 a.m.</td>
<td>9:30 a.m.</td>
<td>Coffee Break in Exhibit Hall</td>
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<td>9:30 a.m.</td>
<td>9:50 a.m.</td>
<td>Session Title</td>
<td>USMC Way Forward Room 228/229/230</td>
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<tr>
<td>10:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Joanne Martin (USMC)</td>
<td>Large Scale Power Room 217/218</td>
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<tr>
<td>10:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Ken Burt (Navy)</td>
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<tr>
<td>11:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Lunch in the Exhibit Hall</td>
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<tr>
<td>11:30 a.m.</td>
<td>11:30 a.m.</td>
<td>Session Title</td>
<td>Future Focus on Power Room 228/229/230</td>
</tr>
<tr>
<td>12:00 p.m.</td>
<td>12:00 p.m.</td>
<td>Mike Bissonnette (USMC)</td>
<td>On-Board Vehicle Power 1 Room 217/218</td>
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<tr>
<td>12:30 p.m.</td>
<td>12:30 p.m.</td>
<td>Pat Lyman (Army)</td>
<td>Safety Room 217/218</td>
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<tr>
<td>1:00 p.m.</td>
<td>1:00 p.m.</td>
<td>Kyle Werner (Navy)</td>
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<td>1:30 p.m.</td>
<td>1:30 p.m.</td>
<td>Mr. Michael Boyd</td>
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<tr>
<td>2:00 p.m.</td>
<td>2:00 p.m.</td>
<td>USMC Future Energy Posture</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
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<tr>
<td>2:30 p.m.</td>
<td>2:30 p.m.</td>
<td>USMC Power and Energy Future Focus</td>
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<td>3:00 p.m.</td>
<td>3:00 p.m.</td>
<td>Mr. Clint J. Gower</td>
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<td>3:30 p.m.</td>
<td>3:30 p.m.</td>
<td>U.S. Marine Corps Portable Power R&amp;D Effort</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
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<tr>
<td>4:00 p.m.</td>
<td>4:00 p.m.</td>
<td>8408</td>
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<td>4:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Mr. Jeffrey Lloyd</td>
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<td>5:00 p.m.</td>
<td>5:00 p.m.</td>
<td>USN Maritime Surveillance Power</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
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<td>5:30 p.m.</td>
<td>5:30 p.m.</td>
<td>Dr. Brent Brezinski</td>
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<tr>
<td>6:00 p.m.</td>
<td>6:00 p.m.</td>
<td>OBVP from Legacy to Next Generation</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
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<tr>
<td>6:30 p.m.</td>
<td>6:30 p.m.</td>
<td>Mr. Jonathan Carpenter, P.E.</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
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<tr>
<td>7:00 p.m.</td>
<td>7:00 p.m.</td>
<td>USMC On-Board Vehicle Power Requirements and Programs</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
</tr>
<tr>
<td>7:30 p.m.</td>
<td>7:30 p.m.</td>
<td>Dr. Joseph G. Pals P.E.</td>
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<td>8:00 p.m.</td>
<td>8:00 p.m.</td>
<td>Clary Corporation</td>
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<tr>
<td>8:30 p.m.</td>
<td>8:30 p.m.</td>
<td>Critical Power Needs for Life and Safety</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
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<tr>
<td>9:00 p.m.</td>
<td>9:00 p.m.</td>
<td>Mr. Julie Banner</td>
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<tr>
<td>9:30 p.m.</td>
<td>9:30 p.m.</td>
<td>When Batteries Go Bad</td>
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<tr>
<td>10:00 p.m.</td>
<td>10:00 p.m.</td>
<td>Ms. Rebecca Morris</td>
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<td>10:30 p.m.</td>
<td>10:30 p.m.</td>
<td>NDIA Military Power Sources Committee</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
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<td>11:00 p.m.</td>
<td>11:00 p.m.</td>
<td>8412</td>
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<td>11:30 p.m.</td>
<td>11:30 p.m.</td>
<td>Mr. Nader Nast</td>
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<tr>
<td>12:00 a.m.</td>
<td>12:00 a.m.</td>
<td>MTVR Onboard Vehicle Power Program Update</td>
<td>Mobile Electric Power for Today and Tomorrow</td>
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### Wednesday, May 6, 2009 (continued)

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<tr>
<th>Time</th>
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</table>
| 2:30 p.m. - 3:00 p.m. | **Connectors**  
Room 231/232 | **Vehicle Battery Maintenance**  
Room 228/229/230 |
| **Moderator** | Frank Sokolowski  
(DCMA) | **Jonathon Carpenter**  
(USMC) |
| 10-A | **8380**  
Ms. Rebecca M. Morris  
Military Power Connector  
Advancements to Improve Performance and to Reduce Costs | **13-A** | **8321**  
Mr. Mark D. Abelson  
Battery Maintenance and Sustainment |
| 10-B | **8470**  
Mr. Nate Power  
Improved Battery/Power Connectors for Aircraft and Other High Current Applications | **13-B** | **8365**  
Mr. Michael J. Bissonnette  
Power for Vehicle and Battery-Operated Weapon Systems |
| **15-A** | **8483**  
Mr. Neil Steven Graves  
A Field-Portable Lithium Ion Battery Charger with UPS Back-up Capability | **15-B** | **8394**  
Mr. Edward J. O’Rourke  
Kestrel – Falcon III Radio Power Adapter/Charger (AN/PRC-117G) |

### Thursday, May 7, 2009

| Time       | Session Title | Continental Breakfast  
Room 225/226/227 |
|------------|---------------|------------------------|
| 7:30 a.m. - 8:00 a.m. | **Power Distribution I**  
Room 228/229/230 | **On-Board Vehicle Power II**  
Room 217/218 |
| **Moderator** | Regina Daniels  
(PM-MEP) | **Jonathan Carpenter**  
(USMC) |
| 16-A | **8382**  
Ms. Michelle N. Gaffney  
Intelligent Power Distribution  
Management & Distribution | **18-A** | **8384**  
Mr. Michel Fuchs  
High Temperature PEM Fuel Cell/Lithium Ion Hybrid Power Source for Ground, Air, and Sea |
| 16-B | **7934**  
Mr. Tom Lederle  
Micro Grids: Harnessing & Managing Multiple Energy Resources | **18-B** | **8364**  
Mr. Chris M. Rogan, F.E.  
Power and Energy Management for Heavy Tactical Vehicles |
| Session Title | **Power Distribution I**  
Room 228/229/230 | **On-Board Vehicle Power II**  
Room 217/218 |
| 8:00 a.m. - 9:30 a.m. | **Renewables**  
Room 231/232 | **Renewables**  
Room 231/232 |
| **Moderator** | Malar Motley  
(USMC) | **20-A** | **7933**  
Mr. Tom Lederle  
Mobilizing Renewable Energy for Field Applications |
| **20-B** | **8358**  
Mr. Mark H. Viness  
Hybrid Power Systems for Mission Critical Enterprise Land Mobile | **20-B** | **8358**  
Mr. Mark H. Viness  
Hybrid Power Systems for Mission Critical Enterprise Land Mobile |
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<th>Power Distribution II</th>
<th>On-Board Vehicle Power III</th>
<th>Hybrids</th>
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<tr>
<td>Moderator</td>
<td>Keith DeVries (Navy)</td>
<td>Michelle Gaffney (Army)</td>
<td>Justin Govar (USMC)</td>
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<tr>
<td>16-C 8458</td>
<td>Ms. Tri Hall</td>
<td>18-C 8399</td>
<td>20-C 8393</td>
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<td>9:30 A.M. - 10:00 A.M.</td>
<td>Micro-Grid Development for the Tactical Operation Center</td>
<td>Mr. Jeffrey S. Humble Auxiliary Power Unit for Military Vehicles</td>
<td>Mr. Edward J. O'Rourke StarPower Technology – Solar Charging, Power Management and Distribution</td>
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<td>19-A 8392</td>
<td>Mr. Edward J. O'Rourke QP-1800 Inverter System – USMC Workhorse</td>
<td>17-A 8570</td>
<td>21-A 8381</td>
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<td>10:00 A.M. - 11:30 A.M.</td>
<td>30 kW Exportable Power System for Military Tactical Vehicles</td>
<td>Mr. Patrick Marshall RAPS – A Universal Power Supply</td>
<td>Dr. Michael J. Marcel System Considerations When Integrating New Battery Technologies into the XM1124 Hybrid Electric HMMWV</td>
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<tr>
<td>11:30 A.M.</td>
<td>39 Mr. Rick Silva A Mobile Hybrid Power Source with Intelligent Control</td>
<td>Mr. Phil Robinson Soldier Power Management: Lightening the Load Through Active Battery Charge/Discharge Management</td>
<td>21-C 8371</td>
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<tr>
<td>19-C 7764</td>
<td>39 Mr. Scott McBroom Maximizing Power Production from the Stock, Belt-Driven Alternator Using a Practical Constant Speed Drive</td>
<td>17-C 8361</td>
<td>Mr. Takefumi Inoue New Applications of Lithium-Ion Battery in Hybrid Power Supply System</td>
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<tr>
<td>11:30 A.M.</td>
<td>39 USMC Meeting Room 228/229/230</td>
<td>2009 Joint Service Power Expo Adjourns</td>
<td>NDIA Manufacturing Division Military Power Sources Meeting Room 217/218</td>
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<td>Post-SPE Expo Meetings</td>
<td>USMC Meeting Room 228/229/230</td>
<td>Shelf Life Meeting Room 214</td>
<td>2009 Joint Service Power Expo Adjourns</td>
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</tbody>
</table>
Patrick Davis is the Program Manager of the Vehicle Technologies Program Office at the U. S. Department of Energy. Vehicle Technologies supports over $270 million in annual research funding for hybrid drivetrains, advanced batteries, lightweight materials, advanced combustion and fuels, vehicle systems integration, and deployment activities. He is responsible for two major government industry partnerships, the FreedomCAR and Fuel Partnership and the 21st Century Truck Partnership. Patrick also serves on the Board of Directors of the American National Standards Institute.


Mr. Davis is a Chemical Engineer with over 25 years of experience in the development of vehicle, alternative fuel, and electrochemical technologies.

Ms. A Adele Ratcliff is the OSD Director, Manufacturing Technology (ManTech) for ODUSD Advanced Systems & Concepts (AS&C). She has a long acquisition career, including Program Manager for the congressionally mandated Defense Acquisition Challenge Program (DAC), Deputy Program Manager for the Foreign Comparative Test (FCT) Program and more than eleven years in Air Force Test and Evaluation at Eglin AFB. As Test Manager, she guided the Air Force ACAT II Wind Corrected Munitions Dispenser (WCMD) test program from prototype through Milestone C decision, earning the AF Civilian Test Engineer of the Year Award. More importantly, her efforts positioned WCMD to support the initial phases of Operation Enduring Freedom. She is a proud alumnus of the Mississippi State University Bulldogs, earning a BS in Mechanical Engineering in 1988.

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