Discussion:
Get Involved and Help Shape the Future

Transformative Vertical Flight Needs Your Help!

Mike Hirschberg, AHS International
It Takes A Village

Thanks to our volunteers!
San Francisco Bay Area Chapter

Thanks to our sponsors!

Get Involved and Help Shape the Future
“The reasonable [hu]man adapts himself to the world; the unreasonable one persists in trying to adapt the world to himself. Therefore all progress depends on the unreasonable [hu]man.”

— George Bernard Shaw, Man and Superman
AHS Technical Committees

- Acoustics
- Advanced Vertical Flight
- Aerodynamics
- Aircraft Design
- Avionics & Systems
- Crash Safety
- Crew Stations & Human Factors
- Dynamics
- Handling Qualities
- Health & Usage Monitoring Systems (HUMS)
- History
- Manufacturing Technology
- Modeling & Simulation
- Operations
- Product Systems Technology
- Propulsion
- Safety
- Structures & Materials
- System Engineering Tools & Processes
- Test & Evaluation
- Unmanned VTOL Aircraft

Plus Integrating Technical Teams (ITTs) including Wind Energy & Electric VTOL (Dr. Anubhav Datta)

Get Involved and Help Shape the Future
<table>
<thead>
<tr>
<th>Year</th>
<th>Months</th>
<th>Event Description</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>2017</td>
<td>Jan 24-26</td>
<td>VTOL Unmanned Aircraft Systems</td>
<td>Mesa, AZ</td>
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<tr>
<td></td>
<td>Feb 22-23</td>
<td>Rotorcraft Handling Qualities</td>
<td>Huntsville, AL</td>
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<td></td>
<td>May 9-11</td>
<td>Forum 73</td>
<td>Ft Worth, TX</td>
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<td>Sep 12-15</td>
<td>European Rotorcraft Forum (ERF)*</td>
<td>Milan, Italy</td>
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<td></td>
<td>Oct 27-29</td>
<td>Structures, Crashworthiness &amp; Vulnerability</td>
<td>Hampton, VA</td>
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<td></td>
<td>Nov 7-9</td>
<td>5th Asian-Australian Rotorcraft Forum (ARF)*</td>
<td>Kanazawa, Japan</td>
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<td></td>
<td>Jan 16-19</td>
<td>Transformative Vertical Flight</td>
<td>San Francisco, CA</td>
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<td></td>
<td>Feb 21-22</td>
<td>Airworthiness and HUMS</td>
<td>Huntsville, AL</td>
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<tr>
<td></td>
<td>May 14-17</td>
<td>Forum 74</td>
<td>Phoenix, AZ</td>
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<tr>
<td></td>
<td>Sep 19-22</td>
<td>44th European Rotorcraft Forum (ERF)*</td>
<td>Delft, Netherlands</td>
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<td>Oct 31-Nov 1</td>
<td>7th Asian-Australian Rotorcraft Forum (ARF)*</td>
<td>Jeju Island, S. Korea</td>
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<td></td>
<td>Nov 13-15</td>
<td>International Powered Lift Conference (IPLC)*</td>
<td>Bristol, UK</td>
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<td></td>
<td>Jan 21-24</td>
<td>Autonomous VTOL &amp; Electric VTOL Symposium</td>
<td>Greater Phoenix, AZ</td>
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<td></td>
<td>Feb 12-13</td>
<td>Development and Qualification of Complex Systems</td>
<td>Huntsville, AL</td>
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<tr>
<td></td>
<td>May 13-16</td>
<td>Forum 75</td>
<td>Philadelphia, PA</td>
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* co-sponsor/supporting organization

Get Involved and Help Shape the Future
Annual Forum attracts 1,300 engineers, scientists and leaders from industry, academia and governments

VTOL aircraft CEOs/VPs/engineers, military leaders, researchers, etc

~250 technical papers

~50 panelists

~70 exhibitors

Grand Awards Banquet

Short courses & industry tours

Micro Air Vehicle Student Challenge

Forum 74 is May 14-17, 2018 @ Phoenix, AZ
eVTOL Resources

- eVTOL News:
  - Vertiflite magazine
  - www.facebook.com/electricVTOL
  - www.twitter.com/electricVTOL
  - www.eVTOL.news

- Uber Elevate white paper and Summit
  - www.uber.com/elevate or www.vtol.org/uber

- Transformative VTOL
  - www.vtol.org/TVF

- Roadmap — Four Working Groups
  - Private Intra-city (Short range ~ 5 – 50 miles)
  - Commercial Intra-city (Short range ~ 5 – 50 miles)
  - Commercial Inter-city (Longer range ~ 50 – 150 miles)
  - Public Services (Medical, fire, disaster, enforcement)

Get Involved and Help Shape the Future
Professional Societies

- AHS: vertical flight (incl. eVTOL)
- AIAA: aero & astro (incl. eCTOL)
- ASTM: standards
- AUVSI: unmanned systems
- CAFE: green aviation
- GAMA: general aviation
- HAI: helicopter operations
- IEEE: electrics
- SAE: mobility and standards

Coming together is a beginning; keeping together is progress; working together is success.

— Henry Ford

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