Proposal to the ANS Thermal-Hydraulic Division for the NURETH-12 Meeting

ANS Pittsburgh Section

June 13, 2004
Pittsburgh, Pennsylvania

ANS Pittsburgh Section Proposal

- Last 2 NURETH meetings taking place abroad:
  NURETH-10
  Oct. '03, Seoul, South Korea
  NURETH-11
  Oct. '05, Avignon, France
- Most recent US meeting was on the West Coast:
  NURETH-9
  Oct. '99, San Francisco, CA
- If held in Pittsburgh, it will be first one on the East Coast since NURETH-7 ('97, Saratoga Springs)
ANS Pittsburgh Section Proposal (cont.)

- Possible Dates:
  October 7-11, 2007
  October 14-18, 2007
  (Similar to previous meetings in October, and ~two years later than Avignon mtg.)
- Possible Location:
  Sheraton Station Square,
  Omni William Penn Hotel,
  Pittsburgh Marriott, or
  Greentree Marriott.

ANS Pittsburgh Section Proposal (cont.)

- Major Sponsors:
  American Nuclear Society
  ANS Pittsburgh Section
  ANS Thermal-Hydraulics Division
- Co-sponsors to be invited:
  AIChE, ASME,
  EPRI, DOE, NRC, IAEA
  CNS (Canada), ENS (Europe),
  AEJS (Japan), KNS (Korea),
  JSMF, SFEN
Conference Summary

- Estimated Attendees:
  400+ full-time equivalent
- Estimated Papers:
  250-300
- Sessions:
  1 half-day plenary session
  5-6 half-day parallel (3-4) sessions
- Registration Fee:
  ~$600
- Hotel Cost:
  ~$175 per night

ANS Pittsburgh Section Experience

- Our team has proven record of delivering strong technical meetings with excellent profits.

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Attendees</th>
<th># of Papers</th>
<th>Corporate Support</th>
<th>Net Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>'91 M&amp;C</td>
<td>400+</td>
<td>240</td>
<td>$16,300</td>
<td>~$50,000</td>
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<tr>
<td>'94 Safety</td>
<td>250+</td>
<td>160</td>
<td>$18,800</td>
<td>$50,000+</td>
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<td>'99 Robotics</td>
<td>250</td>
<td>140</td>
<td>$22,000</td>
<td>$55,000</td>
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<tr>
<td>2000 RPD</td>
<td>350</td>
<td>250+</td>
<td>$12,000</td>
<td>$85,000</td>
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<tr>
<td>2004 ANS</td>
<td>PGH Local section support in record-amount fundraising, plenary sessions, and special events planning.</td>
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<tr>
<td>2007 THD</td>
<td>400+</td>
<td>250-300</td>
<td>$25,000+</td>
<td>&gt;$100,000</td>
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Proposed Topics

- Two-phase Flow and Heat Transfer Fundamentals
- Experimental Methods and Instrumentation
- Boiling and Condensation Heat Transfer
- Subchannel Thermal Hydraulics
- Computational Methods and Code Development
- Large-Scale Tests and Databases
- Severe Accident Thermal Hydraulics
- Operating Water Reactor Thermal Hydraulics and Safety
- Advanced Water Reactor Systems and Thermal Hydraulics
- Generation-IV Reactor Thermal-Hydraulics
- High-Temperature Gas-Cooled Reactor Systems and Thermal Hydraulics
- Thermal Hydraulics in Other Applications
- Miscellaneous Subjects
- Special Sessions

Pittsburgh is Accessible to Several Student Chapters
Importance of Topical Meetings for the Local Sections

- The main source of funds for the local chapters are the technical meetings.
- Local sections must hold a medium to large meeting every 2-3 years to continue their activities.
- Embedding the topical into the National Meeting will negatively impact the local sections and will have great implications for their viability.

Pittsburgh Section Proposal Summary

- In 2007, it will be 10 years since NURETH was held in the East Coast.
- Pittsburgh Section members are experienced and well-known in the industry, both in US and Internationally.
- Pittsburgh Section organized technically and financially successful meetings
  - Large international participation (~50%)
  - Each generated over $50,000 net profit
  - Profits created $50K scholarship endowment
- Strong corporate support reflects confidence in the Pittsburgh Section’s ability to deliver on commitments. We again expect to obtain corporate financial support.
- Downtown Pittsburgh is scenic and vibrant, yet inexpensive.