







**Field Trip**  
**May 18, 2011**  
**Wednesday**



## Clifford-Jacobs Forging Champaign, IL

Capabilities	Industries	Equipment	Tool and Die Manufacturing
			
<ul style="list-style-type: none"> <li>- Engineering</li> <li>- Impression Forging</li> <li>- Finishing and Heat Treating</li> <li>- Machining and Quality Inspection</li> </ul>	<ul style="list-style-type: none"> <li>- Mining</li> <li>- Gears</li> <li>- Aerospace</li> <li>- Energy</li> <li>- Defense</li> </ul>	<ul style="list-style-type: none"> <li>- Hammers 1,500 – 25,000 lb</li> <li>- Trim presses up to 600 ton</li> <li>- Heat treat furnaces</li> <li>- CNC, Mills, Tracer and Engine Lathes, etc.</li> </ul>	<ul style="list-style-type: none"> <li>- 3D models</li> <li>- Die design</li> <li>- Tool and Die Manufacturing</li> </ul>

**Who might be interested:** anyone interested in learning about the forging technology, tooling and design considerations, required properties and processing tailored to performance of demanding components in a variety of applications. Those who would benefit include materials and manufacturing engineers, mechanical engineers, quality and design engineers.

**Agenda:**

- 7:45 – 8:00 Meet at Tech Center K Parking lot Turnstile
- 8:00 – 10:00 Travel to Champaign, IL
- 10 am - 2 pm Clifford-Jacobs Forging, Champaign IL
  - Presentation/Introduction*
    - Clifford-Jacobs Forged products
    - Design and optimization
    - Manufacturing technology
  - Lunch*
  - Tour through the plant*
- 2:00 – 4 pm Travel back to Peoria, IL

The field trip is sponsored by the ASM Peoria Chapter. Transportation will be provided **at NO COST, limited to 14 participants**. To register, please contact Oly Rowan by email [Rowan\\_Olga@cat.com](mailto:Rowan_Olga@cat.com) or phone 309-675-7970

# TECHNICAL CENTER & MOSSVILLE PLANT COMPLEX



- Parking
- Visitor Parking
- Caterpillar Facilities
- Building Entrance
- Indian Burial Grounds



PEORIA