Introduction to industry session

Markus Stoye (CMS), Rudiger Haake (ALICE), Steven Schramm (ATLAS), Paul Seyfert (LHCb), Lorenzo Moneta (LPCC/EP-SFT)

3rd IML workshop, April 15th 2017, CERN, Geneva
**Three industry talks and a panel discussion**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>14:00</td>
<td><strong>Introduction</strong></td>
<td>500-1-001 - Main Auditorium, CERN</td>
<td>14:00 - 14:20</td>
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<td></td>
<td><em>Amazon AI: Tensor and Higher-Order Generalizations of the GSVD with Applications to Personalized Cancer Medicine</em></td>
<td>500-1-001 - Main Auditorium, CERN</td>
<td>Dr Priya Ponnapalli</td>
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<td>15:00</td>
<td><strong>Google DeepMind: Compressing neural networks</strong></td>
<td>500-1-001 - Main Auditorium, CERN</td>
<td>Dr Tim Genewein</td>
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<td>16:00</td>
<td><strong>Coffee break</strong></td>
<td>500-1-001 - Main Auditorium, CERN</td>
<td>16:00 - 16:30</td>
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<td><em>B12 Consulting: Big value out of small data</em></td>
<td>500-1-001 - Main Auditorium, CERN</td>
<td>Dr Michel Herquet</td>
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<td>17:00</td>
<td><strong>Industry panel</strong></td>
<td>500-1-001 - Main Auditorium, CERN</td>
<td>Dr Michel Herquet et al.</td>
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<td>18:00</td>
<td><strong>Reception (snacks &amp; drinks)</strong></td>
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Tensor and Higher-Order Generalizations of the GSVD with Applications to Personalized Cancer Medicine

- Principal Data Scientist, AWS
- Senior Research Affiliate, University of Utah
- PhD in Electrical and Computer Engineering, UT Austin
Compressing neural networks

Research scientist at DeepMind:
• AI security
Research scientist at Bosch Center for AI:
• Compression/Precision
PhD at Max Planck Institute for Intelligent Systems, Tübingen

Constant high profile output to e.g. N(eurips), …
Michel Herquet, B12

Big value out of small data

- Co-founder of B12, IT consulting firm
- Still teaches physics at U Louvain....
- Phd in Theoretical physics U Louvain (Madgraph...)
Industry Panel

5PM : industry panel with Tim and Michel chaired by David