Design Space Exploration

Tutorial @PLDI

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# Program


**Slack** PLDI2020, channel **dse-tutorial**

**Youtube:** [https://youtu.be/0S-y7uCY93Q](https://youtu.be/0S-y7uCY93Q)

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**Panel:** Luigi Nardi, Ph.D. - Stanford/Lund

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<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Duration</th>
<th>Slides</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Introduction</td>
<td>Luigi Nardi</td>
<td>10 min</td>
<td>link</td>
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<tr>
<td>8:10</td>
<td>Design Space Exploration</td>
<td>Luigi Nardi</td>
<td>30 min</td>
<td>link</td>
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<tr>
<td>8:40</td>
<td>Hands-on: HyperMapper Demo</td>
<td>Artur Souza</td>
<td>25 min</td>
<td>link</td>
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<tr>
<td>9:05</td>
<td>Break</td>
<td></td>
<td>10 min</td>
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<tr>
<td>9:15</td>
<td>The Spatial programming language and compiler</td>
<td>Matt Feldman</td>
<td>30 min</td>
<td>link</td>
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<tr>
<td>9:45</td>
<td>Hands-on: Spatial Demo</td>
<td>Artur Souza &amp; Matt Feldman</td>
<td>30 min</td>
<td>Matt / Artur</td>
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<tr>
<td>10:15</td>
<td>Break</td>
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<td>10 min</td>
<td></td>
</tr>
<tr>
<td>10:25</td>
<td>DSE advanced topics</td>
<td>Artur Souza</td>
<td>30 min</td>
<td>link</td>
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<tr>
<td>10:55</td>
<td>Discussions/panel - Q&amp;A</td>
<td>All speakers</td>
<td>Flexible</td>
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</tbody>
</table>

Total duration: 3 hours. **Time is in PDT.**
Today’s Objective

Be able to use a plug-and-play DSE tool in your toolchain
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Be able to use a plug-and-play DSE tool in your toolchain