

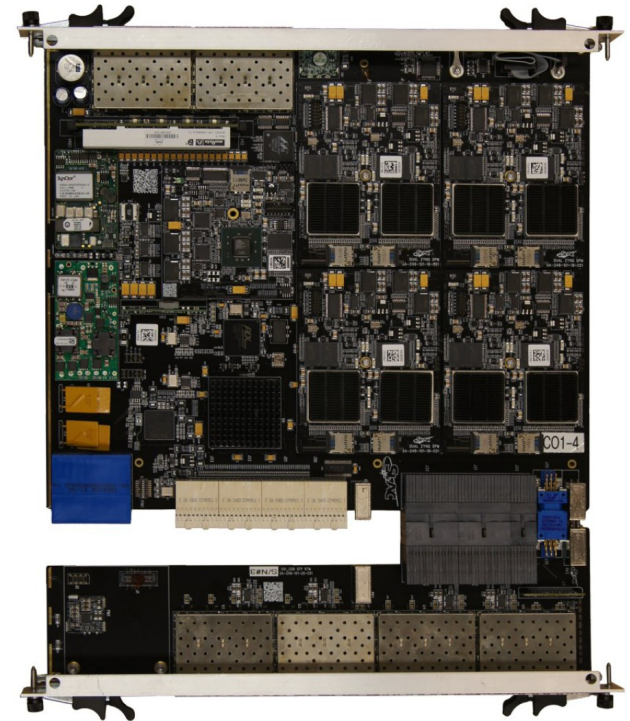
RCE/COB Gen3 MiniWorkshop

Welcome

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Purpose

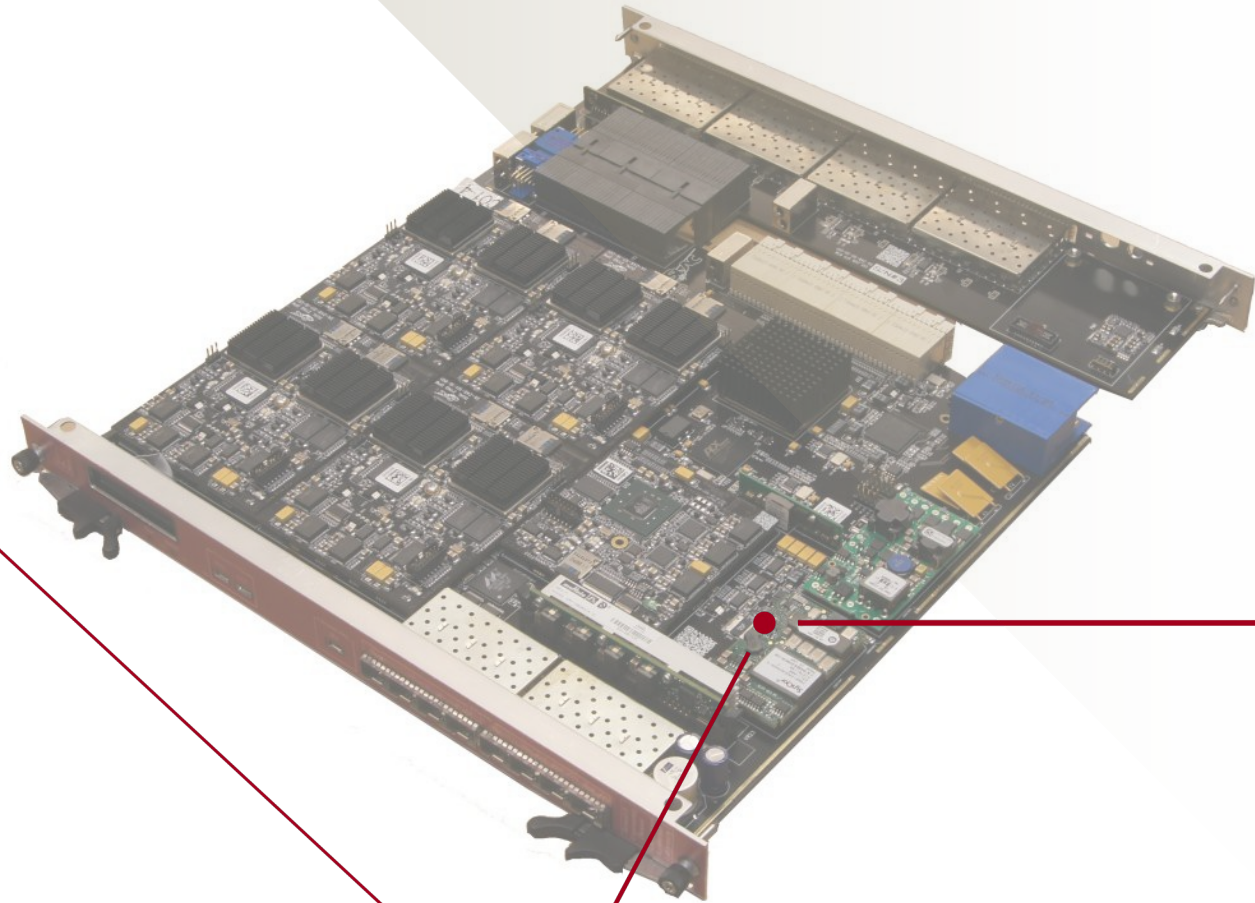
- Introduce the Cluster on Board (COB)
 - Architecture and capabilities
 - Programming model
- Starting from Scratch
 - Software Development Kits
 - System assembly and setup
- Hands on exercise
 - Hello world example



Workshop Schedule

Welcome	10 Minutes
Hardware Overview	35 Minutes
<ul style="list-style-type: none">• Cluster on Board (COB) and ATCA	
Software Development	1.25 Hours
<ul style="list-style-type: none">• Software Development Kits• Real-time OS and Linux Host	
Lunch	1 Hour
System Installation	1 Hour
Demo	45 Minutes
Hands-On	1.5 Hours

Documentation



Hardware:

- PCB designs:
<https://confluence.slac.stanford.edu/display/ppareg/RCE+Generation+3+PCB+Designs>
- COB HW Database:
<https://confluence.slac.stanford.edu/display/CCI/Hardware+database>
- Zynq-7000 Notes
<https://confluence.slac.stanford.edu/display/CCI/Zynq-7000+notes>

Software

- This workshop
- JIRA:
<https://jira.slac.stanford.edu/browse/CCI>
- Confluence page:
<https://confluence.slac.stanford.edu/display/CCI/>