OpenPOWER Foundation Community Intro

James Kulina, Executive Director

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James Kulina - OPF, Executive Director

- Background in Open Source
- Previously co-founded OSS cloud startup Hyper.sh
  - Focused on container security
  - Creator of Kata Container Project
  - Worked extensively with CNCF, Google Kubernetes, Docker
- Former Red Hat working in Product group
- Former AT&T focused on OpenStack Telco Cloud

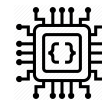# Who is the OpenPOWER™ Foundation?

2013
Launched

350+
Global Members

OpenPOWER Foundation is a non-profit serving its member companies and the open hardware industry

Fully open sourced ISA in 2019

Mission: To accelerate adoption of OpenPOWER ISA and open technology at large.

- To drive technology innovation through specifications, compliance tests, and product SIGs
- To grow overall ecosystem and members
- To facilitate community engagement and visibility

Why Open Hardware? Why Now?

Industry Consolidation:
Diversify supply chain risk

Domestic Tech Innovation :
Nations wants to own tech
destiny.

Domain specific Computing:

Performance gains will come from
fundamental innovation in SoC

IC Packaging reuse:

Open chiplet interconnect

OpenPOWER™

Why OpenPOWER?

Fully Open POWER ISA:
Open royalty free POWER Instruction Set Architecture (ISA), inclusive of patent rights.

Open Designs:
Open high performance RTL A2I/ A2O and MicroWatt softcore implementation of the POWER ISA

Open Governance:
OpenPOWER Foundation part of the Linux Foundation

Fully Supported Software Ecosystem:
Major software ecosystems already work on POWER

Channel Ecosystem:
Partnerships opportunities for GTM

Established performance benchmarks:
Highest performing fully open HW platform

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Value creation for our members

Technical Deliverables

- Manage and progress deliverables through WGs
- Administer and create new WGs based on community needs

Compliance/Verification

- Manage Compliance test suite
- Develop Verification formal service

Learning Development

- Connect Universities and industry in developing curriculum
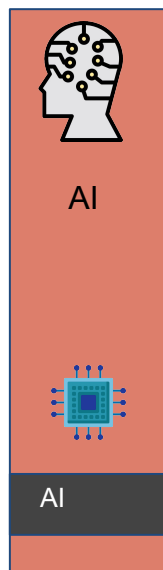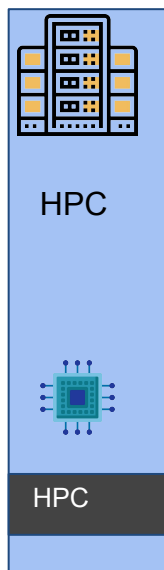- Online forums and events

Outreach

- Establishing Ambassador program
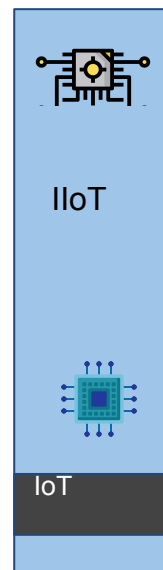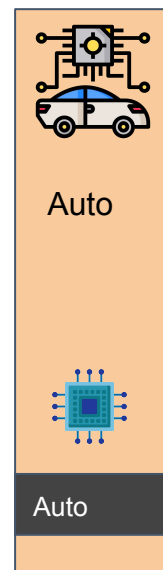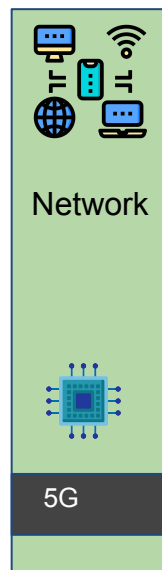- Connect domain specific experts

Visibility

- Engage in industry events and host our own
- Drive variety of member content through various channels social media, analysts, forums

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Where are we going?

Current use cases for OP

HPC

Cloud/Edge

AI

HPC

Infra

AI

...Future use cases for OP

Network

Auto

Storage

IIoT

5G

Auto

Storage

IoT

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Engage in the OpenPOWER Community

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