



# OSGi:IIC Joint Workshop

Wael William Diab,

May 24<sup>th</sup>, 2018. Helsinki, Finland





# Shi-wan Lin, CEO and Cofounder, Thingswise LLC

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Dr. Shi-Wan Lin is the CEO and a co-founder of Thingswise, LLC, a startup providing a portable industrial internet platform solutions purposely built for IIoT systems and Smart Manufacturing deployable from the edge to the cloud.

Dr. Lin co-chairs various technical groups for the Industrial Internet Consortium (IIC), the Architecture Joint Task Group between Plattform Industrie 4.0 and the Industrial Internet Consortium. Dr. Lin is a lead editor and contributor to the Industrial Internet Reference Architecture published by IIC.

Previously, he last worked as a Principal Engineer/Technologist in the Strategy and Technology Office in Intel's Internet of Things Group.

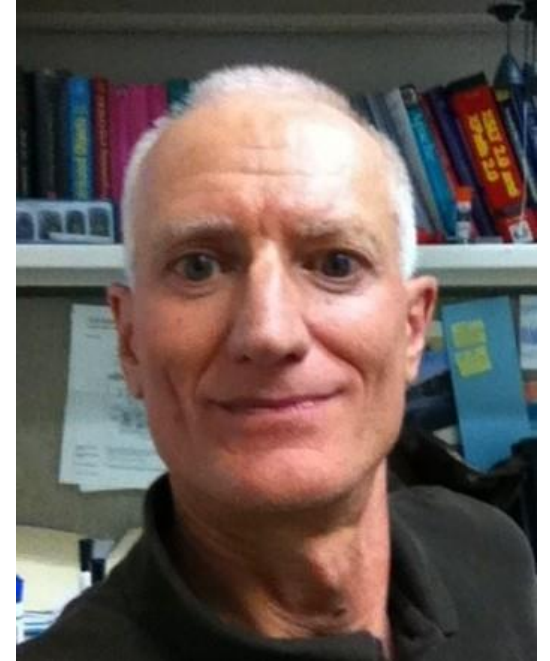


# Jacques Durand, Director of Research & Development, Fujitsu

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Jacques Durand is currently director of R & D in the industrial IoT engineering and standards area at Fujitsu America. He has a long experience in the standardization process in several SDOs, under various roles: editing, chairing, contributor and conformance / interoperability testing. He also has a long-time interest in testing for conformance and interoperability, chaired several test-related efforts and facilitated testing events in US, Europe and Asia.

Jacques is currently on the steering committee of the Industrial Internet, also chairing the Business Strategy and Solution Lifecycle WG.

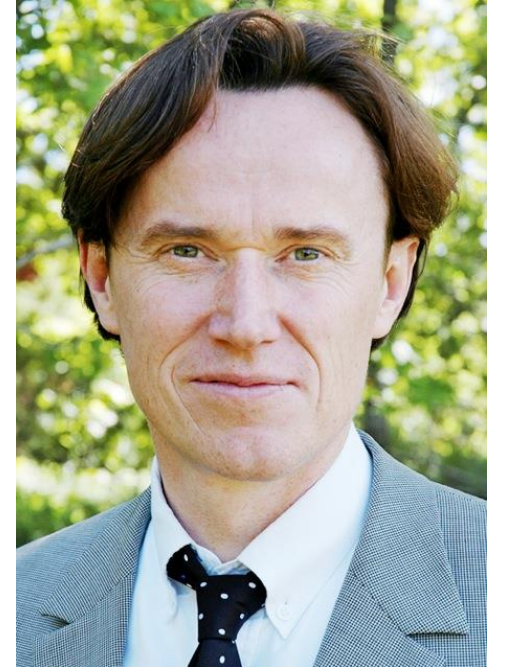




# Christer Larsson, CEO, Makewave

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Christer has been involved in the development of the OSGi technology since 1998, taking part in the design of Ericsson's e-box concept which influenced the first releases of the OSGi specification to a large degree. He is currently the CEO of Makewave and the VP EMEA of the OSGi Alliance. Christer is also deeply involved in the open source OSGi project Knopflerfish.





# Tim Ward, CTO, Paremus Ltd.

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Tim Ward is CTO at Paremus Ltd, a co-author of Enterprise OSGi in Action, and has been actively working with OSGi for the last decade. Tim has been a regular participant in the OSGi Core Platform and Enterprise Expert Groups, and is interim chair of the OSGi IoT Expert Group. Tim has led development of several specifications within OSGi. Tim is also an active Open Source committer. Tim contributes regularly to Bndtools and is a PMC member in the Apache Aries project.



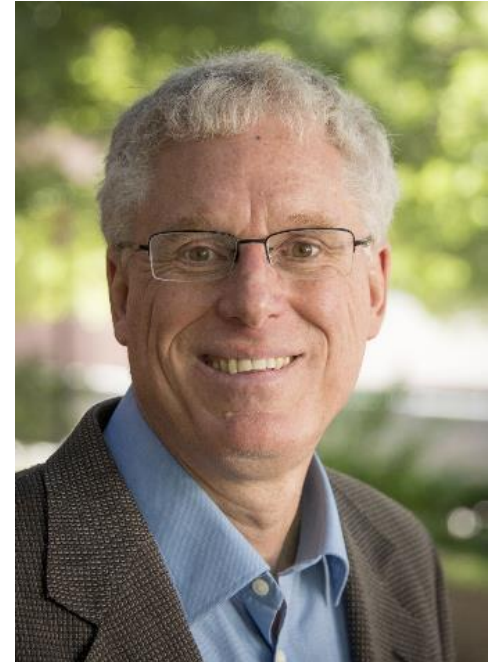




# K. Eric Harper, Senior Principle Scientist, ABB Corporate Research

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K. Eric Harper is Senior Principal Scientist at ABB Corporate Research specializing in software architecture and sustainable technologies. Eric's current work is to support ABB's architecture for industrial analytics. He is elected to represent the Large Industry members on the Industrial Internet Consortium Steering Committee and serves as co-chair of the Technology Working Group and Industrial Artificial Intelligence Task Group.



# Kai Hackbarth, Bosch Software Innovations

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Kai Hackbarth joined ProSyst (now Bosch Software Innovations) in 2001. Since then, he has been deeply involved in the technical standardization activities of the OSGi Alliance. Kai is a member of the OSGi Alliance Board of Directors and since 2008 co-chair of the OSGi Residential Expert Group. Kai is coordinating the research project activities of ProSyst in various IoT domains. His key areas are smart homes, automotive, and the Internet of Things in general, where he actively supports the current developments and strategic positioning of ProSyst's product portfolio.





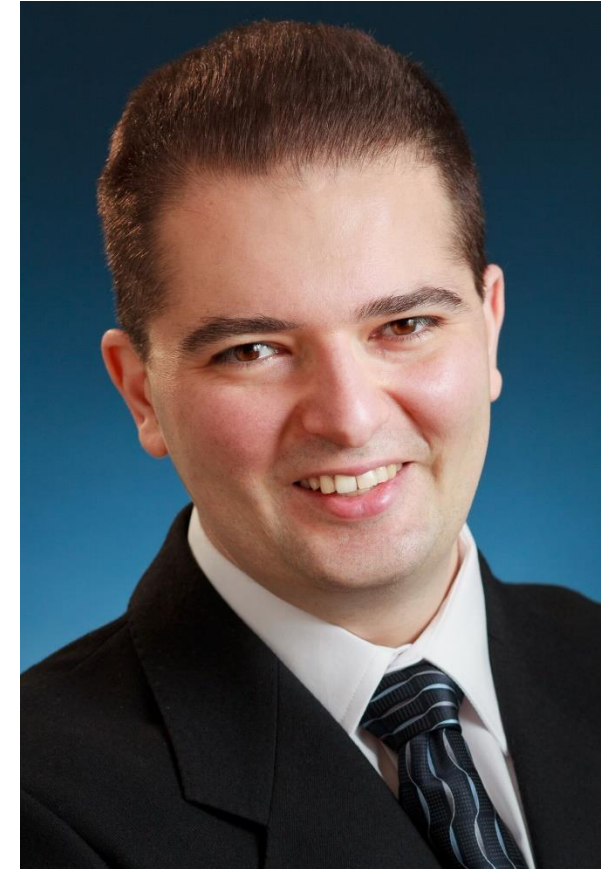
# Wael William Diab, Senior Director, Huawei

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Wael is a business and technology strategist with over 875 patents to his name in the fields of networking and ICT. Prior to Huawei, Wael held senior leadership roles at Fortune 500 companies, including Cisco and Broadcom.

Wael has BS and MS degrees in EE and BA in Economics from Stanford, and an MBA with honors from Wharton. He is a published author, having authored the book *Ethernet in the First Mile: Access for Everyone*. In 2011, Wael was recognized by the David Packard Medal of Achievement and Innovator Award for his leadership in Green Technology.

Wael has been active in standardization and related activities for two decades. He chairs [ISO/IEC JTC 1/SC 42](#), the international standardization [committee on artificial Intelligence](#) (AI). Wael represents Huawei at the Industrial Internet Consortium (IIC), where he is Secretary of the [Steering Committee](#) and chairs the [Liaison Working Group](#), [Technology Working Group](#), Industrial AI Task Group and Global Event Series Task Group. He is co-author of the [Industrial Analytics: The Engine Driving the IIoT Revolution](#) whitepaper and the [Industrial IoT Analytics Framework \(IIAF\)](#). He is a recipient of the IIC [Individual Contributor Award](#). Wael is a member of the IoT Solutions World Congress [Program Committee](#) and chairs its [AI forum](#).





# OSGi:IIIC Panel – Collaboration & the Way Forward

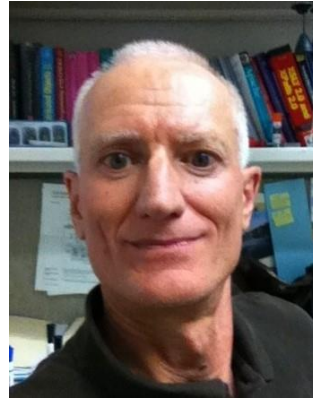
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**Shi-wan Lin**



**Christer Larsson**



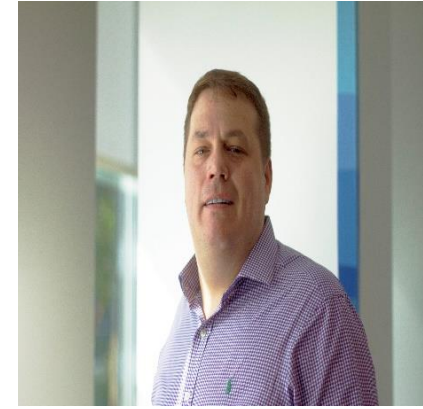
**Jacques Durand**



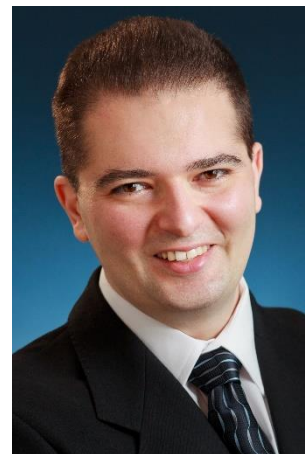
**Tim Ward**



**Eric Harper**



**Kai Hackbarth**



**Moderator**  
**Wael William Diab**

