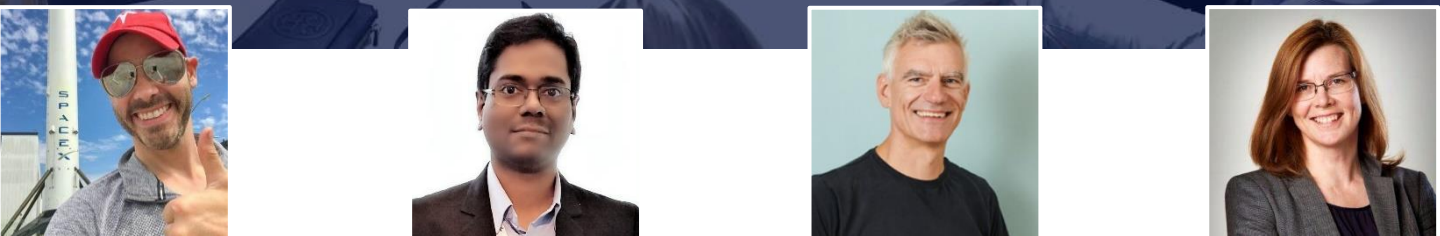




# Virtual Summit 2023

# Exchange in a Digital World

REGISTER TODAY!



Thursday April 13, 2023: Conference using ZOOM

1pm GMT	Welcome – Peter Palmér, LPPDE & Juha Tammi, Lean Association of Finland
1:05pm-	<b>Joe Justice</b> , Agile Business Institute Inc – <i>eXtreme Manufacturing (XM) – Scrum for Hardware</i>
1:45pm-	<i>Short break</i>
1:50pm-	<b>Ramakrishnan Raman</b> , Honeywell – <i>AI - Machine Learning Models for Aiding System Architecture Design Decisions</i>
2:30pm-	<i>Breakout rooms - Reflections and interaction</i>
2:40pm-	<i>Knowledge Exchange - Sharing the reflections</i>
2:50pm-	<i>Break</i>
3:05pm-	<b>Henrik Sonnenberg</b> , Implement Consulting Group – <i>Hybrid Agile &amp; The Missing Link</i>
3:45pm-	<i>Short break</i>
3:50pm-	<b>Maria Hansson</b> , Volvo Cars – <i>Change Management to Succeed with a Transformation</i>
4:30pm-	<i>Breakout rooms - Reflections and interaction</i>
4:40pm-	<i>Knowledge Exchange - Sharing the reflections</i>
4:50pm-	Final reflections and remarks
5:00pm	End

REGISTRATION FEE for one LPPDE Digital Summit: 99 € / three summits €250 / or all year €700  
 Registrations through Lean Association of Finland: <https://www.lyyti.in/virtualLPPDE>  
 More information: [www.lppde.org](http://www.lppde.org)



**Peter Palmér, LPPDE and Juha Tammi**, Lean Association of Finland  
Peter and Juha represents the two organizations who organize these virtual events and will moderate the Virtual Summit.



**Joe Justice**, Authored Scrum Master (book), created eXtreme Manufacturing, founded WIKISPEED, Agile Business Institute – *eXtreme Manufacturing (XM) – Scrum for Hardware*

XM emphasizes the ability to create products rapidly and integrate changes fast into existing products. XM is a collection of principles and patterns to help you create and adapt products quickly.



Scrum for hardware, benefits establishing capability to be able to make builds instantly. To get instant feedback on hypotheses through small experiments. Builds and experiments are the transition cost driving the total product development cost (time).



Joe Justice et al highlights ten principles and patterns of eXtreme Manufacturing:

1. Optimize for change
2. Object-Oriented, Modular Architecture
3. Test Driven Development (Red, Green, Refactor)
4. Contract-First Design
5. Iterate the Design
6. Agile Hardware Design Patterns
7. Continuous Integration Development
8. Continuously Deployed Development
9. Scaling Patterns
10. Partner Patterns



**Joe Justice** is author of Scrum Master, published in 7 languages. Joe has worked with Bill Gates, the leadership team at Amazon, and operated the Agile program at Tesla for Elon Musk. Joe founded WIKISPEED which became an example of automotive design and production speed in a fun, egalitarian culture. Joe enjoys collaborating as a board member, writing, teaching, and running companies to make a good future arrive faster.

Joe works globally as an interim executive for Scrum in Hardware, bringing multinational companies twice the work in half the time. His teams have held 3 world records. He is a TEDx speaker, guest lecturer at both MIT and Oxford University in England, featured in Forbes 5 times to date including as owner of a “Company to watch” by Forbes Billionaire Club, cited in more than 5 business paperbacks and hardcovers, the subject of a Discovery Channel mini-documentary for his work creating the discipline Scrum in Hardware while working directly with the co-creator of Scrum, Dr. Jeff Sutherland.

Joe has worked with all of the top 3 military and defense contractors, autonomous and smart road technologies, ultra-lightweight structures, guest lectured at UC Berkeley, MIT, on behalf of Carnegie Mellon, CU Denver, The University of Washington, spoken at Google, Microsoft, Zynga, Lockheed Martin, HP Labs, The Royal Bank of Canada, Pictet bank, and others. Joe’s work has been featured in Forbes, Harvard Business Review, CNN Money, the Discovery Channel, and others.



**Ramakrishnan Raman**, Fellow, Honeywell – *AI - Machine Learning Models for Aiding System Architecture Design Decisions*



During system design and development, it is a significant challenge to ensure that the right and optimal architecture/design decisions are made. Often, the learning of whether the decision is optimal or not, and the impact on the Measures of Effectiveness (MOEs) of the system, occur late in the development life cycle. System architects and designers undergo various experiential learnings during the development of many systems over the years.

This presentation discusses a framework that leverages machine learning models to learn from the decision learning cycles and advise on the uncertainty of various architecture design decisions. The framework enables a decision-oriented view that factors the learning cycles and feedback loops experienced. The framework enables codification of decisions and progressive maturity of architectural knowledge base

**Dr Ramakrishnan Raman** is a certified Six Sigma Black Belt, INCOSE certified Expert Systems Engineering Professional – ESEP, an IEEE Distinguished Lecturer and Fellow of Indian Society for Systems Science and Engineering.

He has extensive systems and software engineering experience in domains of Aerospace and Industrial Automation. He is currently Fellow at Honeywell Aerospace. His areas of interest include system/software architecture, complex systems and system-of-systems, and machine learning.



**Henrik Sonnenberg**, Venture, Business Building & Innovation Consultant at *Implement Consulting Group – Hybrid Agile & The Missing Link*



Agile has created great impact and engagement across many product development teams. But Agile is introduced in many different ways, and done the wrong way, it can become overly focused on execution efficiency, roles, cadence and team events.

“Efficient development of products that customers don’t care about” - is not what we are looking for.

This will be a preview for Henriks workshop in Munich on the in-person conference 24 of April. We will explore the science of business validation & how it can be integrated into daily Agile practice.

**Henrik Sonnenberg** is trained as machinist, mechanical design engineer & partner at Implement Consulting Group. He has 20+ years experience creating new business across product / service & physical / digital. Impact focus towards builder team, investor team & enabling assets.

Assisting great teams to go even further. Identifying opportunity - customer problems - generating business solutions and validating Commercial/ Technical assumptions fast.



**Maria Hansson**, Director Continuous Improvement & Change / Change Leader Agile Transformation at Volvo Cars – *Change Management to Succeed with a Transformation*

Volvo Cars has been on a change journey since 2017. Maria has been one of the driving forces on this journey and will reflect on the change management needed to improve an already successful company., with a large R&D organization with very experienced product developers.

**Maria Hansson** is a senior Change Leader targeting product development within Volvo Cars. Her main focus is directed to drive transformation in collaboration with the organization. She holds an MSc in Chemical Engineering from Chalmers University of Technology and have held a number of managerial positions within the organization over 25 years, mainly within system engineering environmental technology and powertrain controls.



## Exchange

Following the spirit of Lean Product & Process Development EXCHANGE there will be good possibilities to Exchange knowledge with other attendees as well as with the speakers. After two presenters we have a session “Reflections and interaction” where you will reflect and interact on the learnings from the presenter.

Afterwards we hope the Exchange will continue on our LinkedIn site [The Science of Improving Innovation – LPPDE](#) and our LinkedIn group [LPPDE - The Science of Improving Innovation](#)

And our website [www.lppde.org](http://www.lppde.org)

# The Science of Improving Innovation



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