

DIMECC LAUNCHES MACHINE LEARNING ACADEMY FOR FINNISH MECHANICAL ENGINEERING AND MANUFACTURING INDUSTRY

Finnish manufacturing industry will be offered the first, and much awaited, DIMECC Machine Learning Academy course in the Fall of 2018. The course is organized by DIMECC in co-operation with Futurice and ELY-centers. The course consists of 120 hour training including diverse learning modules from machine learning algorithms to ethics, and from designing and managing artificial intelligence (AI) projects to implementing AI in the company business. Altogether 34 professionals from ten different companies will participate in the first course.

The goal of the training is to increase the participants' understanding of how to utilize AI and machine learning in the company. After the course, participants will have understanding of the fundamentals of machine learning, as well as the ability to recognize and manage development tasks that aim to benefit from machine learning.

Need for training evident through the Intelligent Industry ecosystem

The need for the continuous education for professionals was brought up in DIMECC's Intelligent Industry ecosystem. The first course will be implemented as part of the ecosystem activities. The content of the course has been planned in close co-operation with the ecosystem's companies.

"We believe that artificial intelligence and machine learning offer significant new opportunities to our business operations. To make these happen it is important that our personnel has an extensive understanding of the possibilities brought by AI, and that the know-how is not only focused on their own department. DIMECC Machine Learning Academy offers an excellent opportunity for increasing this understanding", says technology and R&D director **Juha Inberg** from Ponsse. Dr. Inberg will participate in the course.

Digitalization and the Internet of things are changing the business environment quickly in industry. New digital solutions are spanning boundaries and becoming part of business core operations such as product development, manufacturing and sales. AI and machine learning are not exceptions.

"Artificial intelligence and machine learning are upcoming themes that offer lots of new opportunities for companies. To understand the possibilities of the future it is important that the employees who know the fundamentals of the company's operations, have an understanding regarding AI and its possibilities in developing the business. At the moment, there is not enough understanding and know-how in companies about the possibilities and limitations of AI in order to extensively recognize related business potential and start development activities to make these happen", explains DIMECC's Vice President **Essi Huttu**.

Futurice Ltd, that has a vast experience in offering training on AI and machine learning to various target groups from designers to board members, will act as the partner in implementing the course. ELY-centers will be funding the course in the Fall of 2018 in addition to the participating companies.

”For the ELY-centers it is important to be part of funding and to start new growth opportunities for businesses. We believe that AI and machine learning will bring new export and job opportunities for Finland, and we want to be there to support this change”, say **Aku Seppälä** and **Markku Koponen** from Uusimaa and Pohjois-Savo ELY-centers, that will fund half of the Fall 2018 pilot course.

Next course to be implemented in Spring 2019

Interest in the training has been immense and the first course got over-booked immediately. Due to the high demand, the next course is planned to be implemented in the Spring of 2019.

“DIMECC brings together actors from industry and academia, and the understanding of the needs of the digitalizing industry. Our objective is to create novel customized training for the needs of businesses and business sectors by joining the know-how of the best experts”, says DIMECC CEO **Harri Kulmala**.

More information:

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