APMS 2018 Doctoral Workshop Program (Building 39)

Date: Sunday, 26/Aug/2018

8:30am - 8:45am

DW-OPN: DOCTORAL WORKSHOP - WELCOME AND INTRODUCTION
Location: **ROOM B118**
Co-Chair: **Gyu M. Lee, Ralph Riedel**

8:45am - 10:15am

DW-P1T1: DOCTORAL WORKSHOP - 1ST PARALLEL SESSION, TRACK 1
Location: **ROOM B118**
Chair: **Gyu M. Lee**
Discussant: Adriana Giret, David Romero, Ming Lim, Gregor von Cieminski

Manufacturing Execution Systems: The Next Level of Automated Control or Shop-Floor Support?
Sabine Waschull
University of Groningen, Faculty of Economics and Business, Netherlands

System and Algorithm Design of an Overhead Hoist Transport (OHT) System for Semiconductor FAB
Illhoe Hwang
KAIST, Korea

DW-P1T2: DOCTORAL WORKSHOP - 1ST PARALLEL SESSION, TRACK 2
Location: **ROOM B119**
Chair: **Ralph Riedel**
Discussant: Stanislaw Strzelczak , Paulo Gaiardelli, Gökan May

Dynamic scheduling tool combined with an intelligent Decision Support System for Zero Defect Manufacturing
Foivos Psarommatis
École polytechnique fédérale de Lausanne, Switzerland

Patient Flow Modelling in Healthcare Systems
Aili Biriita Bertnum
Norwegian University of Science and Technology

10:30am - 12:00pm

DW-P2T1: DOCTORAL WORKSHOP - 2ND PARALLEL SESSION, TRACK 1
Location: **ROOM B118**
Chair: **Gyu M. Lee**
Discussant: Adriana Giret, David Romero, Ming Lim

Framework for Re-engineering towards Smarter Maintenance
Hyunjong Shin
Pennsylvania State University, United States of America

Toward Zero-Defect Manufacturing for machine tools using virtual metrology and machine feedback control
Paul-Arthur Dreyfus
EPFL, Switzerland

DW-P2T2: DOCTORAL WORKSHOP - 2ND PARALLEL SESSION, TRACK 2
Location: **ROOM B119**
Chair: **Ralph Riedel**
Discussant: Stanislaw Strzelczak , Paulo Gaiardelli, Gökan May, Gregor von Cieminski

Customer's PIE: A New Integration Approach for Customer Experience Co-Creation
Duangthida Hussadintorn Na Ayutthaya
Asian Institute of Technology, Thailand

Next Generation Engineer-To-Order Manufacturing Operations
Jo Wessel Strandhagen
NTNU, Norway

1:00pm - 1:45pm

DW-P3T1: DOCTORAL WORKSHOP - 3RD PARALLEL SESSION, TRACK 1
Location: **ROOM B118**
Chair: **Gyu M. Lee**
Discussant: Adriana Giret, David Romero, Ming Lim, Gregor von Cieminski

Planning and control of Automated Guided Vehicles in hospital environments
Giuseppe Ismael Fragapane
Norwegian University of Science and Technology, Norway

1:45pm - 2:00pm

DW-CLS: DOCTORAL WORKSHOP - CLOSING CEREMONY
Location: **ROOM B118**
Co-Chair: **Gyu M. Lee, Ralph Riedel**