

TPM Seminar

– TPM Awards Ceremony 2025



Date: **19 March 2026**
10:00-16:30 * Time schedule might be changed.

Place: **Room D**
Kyoto International Conference Center

Participation Fee: **110,000 JPY**

Contents

- 10:00 – 10:05 Opening Remark
- 10:05 – 12:05 Keynote-1



Title: Innovative Approaches to Lean Automation
Lecturer: Dr. Fumio KOJIMA, Assessor of TPM Excellence Awards

- 12:05 – 13:05 Lunch
- 13:05 – 15:05 Keynote-2



Title: Supply Chain Management from the Perspective of TPM Achievement
Lecturer: Prof. Soemon TAKAKUWA, Assessor of TPM Excellence Awards

- 15:05 – 15:20 Coffee Break
- 15:20 – 16:20 Special Presentation
TPM Excellent Case Study by TPM Awards Winners
*Under adjustment
- 16:20 – 16:30 JIPM Closing Presentation

- Keynote -1

Lecturer: Dr. Fumio KOJIMA

Technical expert, DENSO Corporation

Representative director, Association for Lean MONOZUKURI Network
Japan



Title: Innovative Approaches to Lean Automation

Abstract :

In the pursuit of automation and digitalization in manufacturing plants, it is essential to build systems that deliver highly effective returns on investment. This presentation introduces a range of practices we have developed over the years, including designing products optimized for automation, constructing lean automation systems that eliminate waste and loss, and leveraging on-site technologies and technical expertise. These initiatives are expected to contribute to the innovative advancement of TPM activities.

- Keynote -2

Lecturer: Prof. Soemon TAKAKUWA

Professor Emeritus, Nagoya University

Degrees and Qualifications

Ph.D. in Industrial Engineering, The Pennsylvania State University

Ph.D. in Economics, Nagoya University

Professional Engineer (P.E.) in Industrial Engineering and General Technology Management



Positions

Director, Economic Research Center, Nagoya University (2005–2008)

President, Japan Society for Information and Management (2008–2012)

TPM Awards Assessor (2023–Present)

Title: Supply Chain Management from the Perspective of TPM Achievement

Summary :

Production and maintenance activities are the primary focus when pursuing the Award for TPM Excellence. However, as TPM activities mature, their scope gradually expands to encompass entire business operations, including supply chain management—particularly in the pursuit of the Advanced Special Award for TPM Achievement or the Award for World Class TPM Achievement.

Accordingly, this seminar focuses on supply chain management as a key factor in achieving higher levels of TPM performance.

First, fundamental concepts of the supply chain and supply chain management are defined, using examples from the automobile manufacturing and oil industries. Next, various critical topics essential for attaining the highest levels of TPM achievement are introduced. Relationships and transactions with suppliers and customers are emphasized, and performance indicators such as on-time delivery rate, on-time in full (OTIF), and fill rate are discussed from the perspective of customer satisfaction.

In addition, Value Stream Mapping (VSM), basic inventory management systems, Just-in-Time (JIT) production, and multi-echelon supply chains are introduced, with simulation and animation used to facilitate intuitive understanding.

Management information systems related to supply chain management are also addressed, with particular focus on Enterprise Resource Planning (ERP) and related systems such as Manufacturing Execution Systems (MES) and Product Lifecycle Management (PLM) applications. Furthermore, logistics management systems that support TPM activities are explained through simulation models for planning and analyzing distribution systems. These models are based on real-world examples, including distribution warehouses, truck transportation, cranes and container yards, and GPS-based navigation systems for transportation planning and transshipment operations.