

Quality Assurance Strategy Utilizing International Standards



Toyota Motor Corp.Group Manager,
Software Development Center,
Digital & Software Performance
Development Div.,Hisao Nishimori

The Toyota logo, consisting of the word "TOYOTA" in a bold, red, sans-serif font.

Requirements for Next Generation Power Semiconductors



Mitsubishi Electric
Corp.Power Device Works,
Application Engineer
Supervisor,Junji Yamada

The Mitsubishi Electric logo, featuring a red three-diamond symbol to the left of the words "MITSUBISHI ELECTRIC" in a bold, black, sans-serif font.

Factory Innovation Week Special Session ②

free

Wednesday, October 23, 2024

| 12:30 ~13:40

FIW-S2

HR for Manufacturing -Learn about Personnel Development of Factory Worker and Digital-savvy

Factory Innovation Week

Pursue Robust Manufacturing and Human Resources Based on Mazda Production System



Mazda Motor Corp.Executive
Officer, In Charge of Global
Production and MPS,Katsunori
Miyawaki



| 15:00 ~16:10

FIW-K

How to Deal with Sustainability in Manufacturing

Factory Innovation Week Multilingual Available

Innovation in the Manufacturing Industry: Embracing Global Environmental Responsibility for Business Success



**Panasonic
Corp.Managing
Executive Officer
CGXO, Vice
President/Electric
Works Company,
Director, Energy
Systems
Manager,Mitsutoshi
Shigeta**



Wednesday, October 23, 2024

| 15:00 ~15:40

AUTO-K

Toward the Realization of Recycling-oriented Manufacturing in the Future

Automotive World Multilingual Available

Toward the Realization of Recycling-oriented Manufacturing in the Future



DENSO Corp.Social Innovation
Business, Development Function
Unit Senior Director,Mitsuru
Kato

DENSO

Conference Content: Sustainable "Monozukuri" production means a continuous circulation in a series of manufacturing to minimize CO2 emissions and recycling to replace used goods and materials with the next value. The key to achieving this objective is the establishment of recycling "techniques" and "automation" that ensure the quality and quantity required for manufacturing

Automotive World Special Session ①

free

Thursday, October 24, 2024

| 10:00 ~11:10

AUTO-S1

eAxles: Development Strategy & Latest Trends

Automotive World Multilingual Available

JATCO's E-axle Development Strategy -Thermal Management and Miniaturization-



JATCO
Ltd.Corporat
e Vice
President
Chiefe
Technology
Officer R&D
Div.,Tatsuya
Osone

Jatco

Conference Content: As the development race for electric vehicles intensifies, there is a demand for the development of e-axes that not only improve the value of vehicles but also meet social demands (carbon neutrality, environmental protection).

In this presentation, we will introduce strategies to address these challenges while realizing a competitive e-axle from the perspectives of miniaturization and thermal management.

Speaker Profile: Joined Nissan Motor Co., Ltd. in April 1991 and joined the Driveline Test Department. In April 2002, he transferred to JATCO Ltd., where he was a member of the Experimental Group of the Experimental Unit. In 2014, he became General Manager of the Parts System Development Department. In 2016, he became VP of the Development Division. In April 2021, he became Executive Vice President and CTO (Chief Technology Officer), a position he holds to this day.

	<p>Vitesco Technologies Japan Co., Ltd. *Scheduled to merge with Schaeffler Electrification Solution Div. Japan Head of Innovation, Hirofumi Yudahira</p>	
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Automotive World Special Session ②

free

Thursday, October 24, 2024

| 15:00 ~ 16:10

AUTO-S2

Generative AI in Mobility - Product Development and Fully-autonomous Driving -

Automotive World Multilingual Available

Create a New Value Standard for Mobility



Sony Honda Mobility
Inc.Representative
Director, President and
COO,Izumi Kawanishi

Sony Honda Mobility

Generative AI and LLM for Fully-autonomous Driving



Turing
Inc.Director,
CTO,Shunsuke
Aoki

TURING

Automotive World Special Session ③

free

Friday, October 25, 2024

| 10:00 ~11:10

AUTO-S3

Chinese EV Makers' ASEAN Strategy & Strategy Japan Needs to Take

Automotive World Multilingual Available

Chinese EV Brands Going to ASEAN



Takumi Innovators Co.,
Ltd. Founder CEO, Toshikazu
Tanaka



ASEAN Strategic Outlook - Promoting the value of HEVs and cultivating the upper middle class are key to success -



Daiwa Securities Co., Ltd. Equity
Research Dept. Chief Analyst, Eiji
Hakomori



Automotive World Technical Session ②

free

Wednesday, October 23, 2024

| 12:30 ~ 14:00

AUTO-2

Gigacast & New Steel Sheet Technology -- Their Strength

Automotive World Multilingual Available Technical Lectures Lecture slides will be distributed

Gigacast Technology Trend and Die Casting Technology



Ryobi Ltd. Die Casting Planning and
Development Division, Research
and Development Department
Shin Nitta

Recent Trends in Steel and Part Integration Technology Using Steel



NIPPON STEEL Corp. Head of
laboratory, Integrated Steel-Solution
Research Laboratory General
Manager, Riki Okamoto

Automotive World Technical Session ③

free

Thursday, October 24, 2024

| 10:00 ~ 11:30

AUTO-3

7th Automotive World Conference [Nagoya]

Automotive World Multilingual Available Technical Lectures Lecture slides will be distributed

Kanzi App Development for QNX+Android Integration and Meter + IVI



Marelli Corp.Technology
Officer,Masatoshi Arai

Automotive World Technical Session ④

free

Thursday, October 24, 2024

| 12:30 ~14:00

AUTO-4

Autonomous Driving and Legal Liability in the AI Era

Automotive World Multilingual Available Technical Lectures Lecture slides will be distributed

Legal Liability for Automated Vehicle Accidents in the AI Era



MATSUDA&PARTNERS Partner,
Attorney at Law Yasuyori Iwatsuki



NTT DATA Automobiligence
Research Center, Ltd. Advanced
Laboratory Chief Engineer, Shin
Sakamoto

Automotive World Technical Session ⑤

free

Thursday, October 24, 2024


| 15:00 ~16:30

AUTO-5


New Technology to Achieve Carbon Neutrality in Vehicle Body Production

Automotive World Multilingual Available Technical Lectures Lecture slides will be distributed

Vehicle Body Technology towards Carbon Neutrality

	Toyota Motor Corp.Chief Professional Engineer, Advanced Product Development Department, Advanced Technology Development Company Atsushi Mikuni	
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Application of 1.5 GPa Class Cold Rolled Steel to the New SPACIA

	Suzuki Motor Corp.Environment, Material & Manufacturing Engineering Development Div. Basic & Advanced Technology Development Dept. Manager, Kenichi Furukawa	
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Automotive World Technical Session ⑥

free

Friday, October 25, 2024


| 10:00 ~11:30

AUTO-6


Recycling Technologies That Realize a Circular Economy

Automotive World Multilingual Available Technical Lectures Lecture slides will be distributed

Recycling Technologies of Automotive Aluminum Parts

	Nissan Motor Co., Ltd. Platform and Vehicle Component Materials Group, Materials Engineering Dept, Advanced Engineering Div., Deputy General Manager, Fumihiko Gejima	
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Making Cars Based on Circular Economy and Developing Horizontally Recycled Materials

	Honda R&D Co., Ltd. Material Research Center Regenerative Material Research Div., Chief Engineer, Satoshi Hirawaki	
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NEPCON JAPAN Keynote Session

free

Wednesday, October 23, 2024



| 10:00 ~11:10

NEPCON-K

How AI Is Transforming Industries - Explanation from Underlying Technologies to Future Prospects -

NEPCON JAPAN Multilingual Available

Generative AI Framework for Enterprise

	<p>Fujitsu Ltd. Director, Artificial Intelligence Laboratory, Fujitsu Laboratories Toshihiro Sonoda</p>	
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Challenges and Solutions for Social Implementation of AI

	<p>NTT Communications Corp. evangelist, Kenichiro Shimada</p>	
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NEPCON JAPAN Special Lecture ①

free

Wednesday, October 23, 2024

| 12:30 ~13:40

NEPCON-S1

Thermal Management Technology: Latest Trends – Key for EVs, Generative AI, and Renewable Energy

NEPCON JAPAN

Cooling Techniques for High-heat Semiconductors Seen in the Latest Equipment



Thermal Design
Laboratory Co.,
Ltd.President,Naoki
Kunimine

Thermal *d. l.*

Thermal Simulation Model of Semiconductor Packages



Panasonic Industry Co., Ltd.Senior
Expert, Development Section 2,
Industry Solution Development
Department, Energy Solution
Development Center, Technology
HeadquartersYutaka Kumano

Panasonic
INDUSTRY

NEPCON JAPAN Special Lecture ②

free

Thursday, October 24, 2024

| 12:30 ~13:40

NEPCON-S2

Forecast of the Transforming Electronics Industry

NEPCON JAPAN Lecture slides will be distributed

Japan Where the Auto Industry and Electronic Device Industry Perform Crossover



Sangyo Times, Inc. Chairman
Senior Staff Writer, Wataru
Izumiya

産業タイムズ社

NEPCON JAPAN Special Lecture ③

free

Friday, October 25, 2024

| 12:30 ~13:40

NEPCON-S3

Next Generation Semiconductors : Panel Discussion

NEPCON JAPAN



Nagoya University Professor,
Institute of Future Materials and
Systems, Center for Integrated
Research of Future
Electronics Masayoshi Yamamoto

*After the two lectures, a discussion will be held for young engineers focusing on the content of the lectures.

NEPCON JAPAN Special Lecture ④

free

Friday, October 25, 2024

| 15:00 ~16:10

NEPCON-S4

The Forefront of Soldering! The Latest Trends in International Standards and Cutting-edge Technology

NEPCON JAPAN

IPC PWB PCB EMS Soldering Automotive



Tokai Rika Co., Ltd. Manager, Norihito Suzuki



Acid Copper Plating Additive Improving Flexibility of Wiring Design for High Current Density



OKUNO CHEMICAL INDUSTRIES Co., Ltd. R&D Research Labs Deputy Director, JUNJI YOSHIKAWA



Factory Innovation Week Special Session ①

free

Wednesday, October 23, 2024

| 10:00 ~ 11:10

FIW-S1

[Case Study] Efforts to Pass on Skills to Protect "Technology" and "People"

Factory Innovation Week

What Is DX for Technology/Skill Transfer through Digitalizing Thought of Expert?



LIGHTz Inc. Chief Operating
Officer, Hiroki Unpo



Master Craftsmanship and Digital Transformation



Asahi Welding
Technology President, Hiroki Yamada



Digital Transformation by Agile and In-house



DENSO Co. Executive Officer, Head of
Cloud Service Development
Department, Research and
Development Center Takeshi
Narisako



Factory Innovation Week Special Session ③

free

Thursday, October 24, 2024

| 10:00 ~ 11:10

FIW-S3

[Case Study] Make Most of Generative AI in Manufacturing

Factory Innovation Week

The Impact of Generative AI and Its Effects on the Manufacturing Industry



Microsoft Japan Co.,
Ltd. Evangelist, Motoaki Nishiwaki



Generative AI for Manufacturing



Panasonic Connect Co., Ltd. AI &
Data Platform Div., Senior
Manager, Hiroki Mukaino



Factory Innovation Week Special Session ④

free

Thursday, October 24, 2024

| 12:30 ~ 13:40

FIW-S4

The secret to success lies in human resource strategies! What is the secret to flexible human resource strategies common to large and small companies?

Factory Innovation Week

4 Times of 9 Consecutive Holidays in a Year! 98% Paid Holidays Taken! Multicast Realization Mechanism

	<p>Steeltech Co., Ltd.President,Hirochika Deguchi</p>	
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Factory Innovation Week Special Session ⑤

free

Friday, October 25, 2024

| 10:00 ~11:00

FIW-S5

Productivity Revolution to DX Factories by Intelligent Robots

Factory Innovation Week

Software Transforms a Capacity of Automation --Mujin's Intelligent Integration Platform Enable to Realize Next-gen Factory/warehouse--

	<p>Mujin Inc.Co-Founder and Chief Executive Officer,Issei Takino</p>	
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Factory Innovation Week Special Session ⑥

free

Friday, October 25, 2024

| 12:30 ~13:40

FIW-S6

[Case Study] Digitalisation and Green Transformation in a Cost-Efficient Way

Factory Innovation Week

Maximize Use of Digital Tools to Improve Work Efficiency

	<p>Aisin Kyushu Co., Ltd.DX Promotion Office, Chief,Takayuki Kumagai</p>	
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Challenges of Implementing Energy Storage and Expanding Onsite Renewable Energy Use in Manufacturing

	<p>Musashi Seimitsu Industry Co., Ltd.Energy Solution Business Development Div., General Manager,Naohiro Takamori</p>	
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Factory Innovation Week Special Session ⑦

free

Friday, October 25, 2024

| 12:30 ~13:40

FIW-S7

[Case study] "Green Transformation of Factory"

Factory Innovation Week

Examples of Solving Issues at Manufacturing Sites through Data Utilization and AI

	<p>OMRON Corp.Advanced Solution Business Div., HQ Industrial Automation Company Senior General Manager,Hiroyuki Inoue</p>	
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GX Initiatives at Omika Works Based on the Hitachi Green Strategy

	<p>Hitachi, Ltd.Control System Platform Div., Social Infrastructure Systems Business Unit Vice President, Senior General Manager, Omika WorksKazuhito Matsumoto</p>	
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Factory Innovation Week Special Session ⑧

free



Thursday, October 24, 2024



| 15:00 ~16:00

FIW-S8



Transforming a Difficulty with Digitalization, Manufacturing DX Starts with Streamlining HR Operations

Factory Innovation Week

	<p>YASUNAGA Corp.Administrative Dept., Personnel and General Affairs Div., Deputy Director,Yoshiaki Tamaoka</p>	
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	<p>YASUNAGA Corp.Administrative Dept., Personnel and General Affairs Div., Chief Clerk,Katsuyuki Miyata</p>	
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Transforming a Difficulty with Digitalization, Manufacturing DX Starts with Streamlining HR Operations

	<p>SmartHR, Inc.Tokai Office Branch Manager,Ryosuke Komai</p>	
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Factory Innovation Week Special Session ⑨

free

Thursday, October 24, 2024

| 15:00 ~16:00

FIW-S9

Securing Human Resources from the Workers' Perspective and the Unknown Potential of Japanese-foreigners

Factory Innovation Week

Securing Human Resources from the Workers' Perspective and the Unknown Potential of Japanese-foreigners

	UT Group Co., Ltd.Executive Officer,Nobuyuki Tsukui	
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Factory Innovation Week Special Session ⑩

free

Friday, October 25, 2024



| 15:00 ~16:00

FIW-S10

Factory Innovation Week [Nagoya] 2024 Conference

Factory Innovation Week

Medium to Long-term Labor Shortage Countermeasures Based on the Vast Amount of Data That Human Resources Companies Boast (tentative)

	<p>NISSO CORPORATION President and CEO, Ryuichi Shimizu</p>	
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Smart Logistics EXPO Keynote Session

free

Wednesday, October 23, 2024

| 10:00 ~ 11:10

SLE-K

Technologies and Initiatives to Achieve Sustainable Logistics

Smart Logistics Expo

Yamato Group Initiatives to Achieve Sustainable Logistics

	<p>YAMATO TRANSPORT Co., Ltd. Executive Officer (Green Innovation Development and Sustainability Promotion Director) Yasushi Fukuda</p>	
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LOGISTEED's Cutting-edge Technology and Green Logistics Initiatives

	<p>LOGISTEED, Ltd. Managing Executive Officer, Executive, Chubu Area Management Headquarters, Nishinippon Area Management Headquarters, Kiyoshi Nagao</p>	
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Smart Logistics EXPO Special Session ①

free

Thursday, October 24, 2024

| 10:00 ~11:10

SLE-S1

[Measures against Labor Shortages] Case Study: Improving Delivery Efficiency and Recruitment Strategy

Smart Logistics Expo

Transporting Together, the Future of Logistics - The Challenge of NEXT Logistics Japan

	<p>NEXT Logistics Japan Ltd. President & CEO Yukio Umemura</p>	
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Turing Failures into Successful Hiring Strategy



Fuji Holdings Co.,
Ltd. Marketing Dept.
Executive Officer, Yasuo
Kawakami



Smart Logistics EXPO Special Session ②

free

Thursday, October 24, 2024

| 12:30 ~ 13:40

SLE-S2

[Case Study] Optimization and Automation of Logistics Facilities - Project Manager Discusses! -

Smart Logistics Expo

Creating a Strong Team to Address Logistics Center Automation and Environmental Changes



OLYMPUS Corp. SCM
Distribution Japan
Senior Expert Eiichi
Hara

Initiatives to Optimize and Automate the Kao Supply Chain Using Digital Data



Kao Corp.Chief Data Scientist,
Digital Innovation Project,
SCM DivisionKouichi Tasaka



Smart Logistics EXPO Special Session ③

free

Friday, October 25, 2024

| 10:00 ~11:30

SLE-S3

[Case Study] Learn about the key points and results of transportation DX

Smart Logistics Expo

In-house App Development "Compliance with Improvement Standards Notification" and "Elimination of Waiting Time"



hishiki-unso, Inc.CEO,Hirokazu
Hishiki

[Joint Lecture] Introduction of Actual Examples of Digitalization of Vehicle Dispatch Operations Undertaken by Shipper Companies



HACOBELL Inc.Customer
Success Dept.,Kenta
Watanabe



JAPAN LOGISTIC SYSTEMS
Corp.Digital Transformation
Promotion Dept. ManagerHideki
Takahashi



Speaker Profile: April 1994: Joined the company. After working as a site manager,
April 2020: Appointed Deputy Director of the Business Department and Head of the AI/IoT Promotion Section at the same time as the AI/IoT Promotion Section of the Business Department was established.
April 2023: Changed name to Business Department DX Promotion Section and became Deputy Director of Business Department and Head of DX Promotion Section
April 2024: Promoted to the DX Promotion Department and appointed as General Manager of the DX Promotion Department and Section Manager of the DX Promotion Division.