

20TH FORUM8 DESIGN FESTIVAL 2026 3DAYS+EVE

All about FORUM8 Products.

EVE 11.17 Tue 11.18 Wed – 20 Fri Shinagawa Intercity Hall/Foyer

Intelligent Engineering Solutions
AI and Simulation Software
Support Engineers

Global engineering software company
***FORUM8** - Japan made software -*

40th ANNIVERSARY 5×8

FORUM8 Host: FORUM8 Co., Ltd.

CPWC host: Cloud Programming World Cup Committee VDWC host: Virtual Design World Cup Committee

Intelligent Engineering Solutions

Empowering Engineers with AI and Simulation Software

Greeting

The "FORUM8 Design Festival 3 Days + Eve" is celebrating its 20th anniversary this year.

The Design Festival, which has consistently presented new software and system examples, as well as research and development findings each year, has also expanded its themes in line with technological and societal changes.

For the 20th installment, we will hold the event with a new structure based on technologies such as design and analysis, 3D/VR simulation, autonomous driving, digital twins, and the metaverse. We will also incorporate "sustainability," "space infrastructure and satellite data utilization," and "AI" as major themes.

FORUM8 positions AI not as a technology solely for information retrieval or chat, but as practical AI that is utilized in design, analysis, simulation, and business support. We are actively developing and deploying "F8-AI®" to achieve this. Furthermore, we are connecting our long-developed engineering software and VR/simulation technologies with solutions such as "ForumSync," which integrates various data and systems into digital twins, and the metaverse platform "Metavania F8VPS," creating new solutions.

Day 1 will focus on the theme of "Autonomous Driving and Sustainability," showcasing the latest technologies and initiatives in digital twins, data integration, AI, and simulations for creating a sustainable society, covering not only mobility but also areas such as urban planning, transportation, energy, environment, and disaster prevention. Furthermore, the 25th 3DVR Simulation Contest on Cloud will feature the latest use cases of VR, digital twins, and simulations from various projects both domestically and internationally.

On Day 2, we will focus on "Space Infrastructure and Utilization of Satellite Data" as a new key theme. We will leverage the technologies cultivated in terrestrial infrastructure fields such as roads, transportation, urban planning, and disaster prevention, and apply them to areas like lunar infrastructure, mobility, construction, and remote operation simulations. Utilizing initiatives like space F8, along with satellite data, GNSS (Global Navigation Satellite System), and geospatial information, we will propose new possibilities that connect space and the ground. Furthermore, at CPWC and VDWC, we will present and award innovative ideas and technologies from students around the world.

Day 3 will focus on the latest technologies in engineering, particularly those related to design and analysis. We will showcase advancements in technology that support everything from design to analysis and verification, including the UC-1 series, which has long supported practical design work, as well as structural design, FEM analysis, and design/business support using F8-AI®. Furthermore, through events such as the International VR Symposium, the Hagura Award, and the National Resilience Design Award, we will present achievements and proposals from a wide range of fields, including research, expression techniques, disaster prevention, and national resilience.

Eve will once again hold its event this year in a metaverse space utilizing Metavania F8VPS. This platform connects the real and digital worlds, offering opportunities for interaction that transcend location and fostering new forms of communication.

This is the 20th Design Festival. We will cherish the technologies we have accumulated so far and strive for even greater advancements.

From autonomous driving to sustainability. From ground infrastructure to space. And to the fusion of design, analysis, and simulation with AI.

We invite you to explore FORUM8's latest software, research and development efforts, and practical applications. We hope that through interaction with users, researchers, engineers, and students, new technologies and business opportunities will emerge.

We encourage you to participate.

ITO Yuji, President, FORUM8 Co., Ltd.

Global engineering software company
FORUM8 *-Japan made software-*

20th FORUM8 DESIGN FESTIVAL 2026 SCHEDULE

EVE 11.17 TUE

11.17 Tue. 14:00-19:00

14:00-19:00	Design Festival EVE

Day1 11.18 WED

11.18 Wed. 9:50-17:25

9:50-10:00	Opening Speech	
10:00-14:05	The 11th Autonomous Driving / Sustainable Conference	
13:00-13:30	Guest Greetings	Chairman of the "Diet Members' League for Considering Automotive Culture," Member of the House of Representatives
14:05-14:50	Presentation 1	"Implementing sustainable cities using digital twins: The forefront of utilizing 3D city models with PLATEAU"
15:05-15:55	Presentation 2	"Achieving sustainable mobility through an integrated platform of simulation, VR, and AI"
15:55-17:05	The 25th 3D VR Simulation Contest Awards Ceremony	
	The 5th VR SYSTEM OF THE YEAR 2026 Award Ceremony	
17:05-17:25	Lectures on Published Books	
17:25-	Networking Party	

Day2 11.19 THU

11.19 Thu. 9:50-17:50

9:50-10:00	Opening Speech	
10:00-15:30	The 14th CPWC / The 16th VDWC	Space Infrastructure & Satellite Data Utilization Conference
11:10-11:50	Special Lecture 1	"The current status and future prospects of utilizing satellite remote sensing data to address social challenges" Cabinet Office Mr. YOSHIDA Kuninobu
13:00-13:40	Special Lecture 2	"Challenges in lunar construction and the future of construction technology" MLIT Mr. KIKUTA Kazuyuki
13:40-14:20	Presentation 1	"spaceF8 - Space Digital Twin"~The Potential of Digital Twins in Space Development and Urban Disaster Prevention~
15:45-16:20	Presentation 2	"Introduction to the latest features of Shade3D" ~Features for designing and developing nextgeneration products, and future prospects.~
16:20-17:20	The 14th CPWC / The 16th VDWC Awards Ceremony	
17:20-17:50	The 12th Junior Software Seminar Awards Ceremony	
17:50-	Networking Party	

Day3 11.20 FRI

11.20 Fri. 9:50-17:25

9:50-10:10	Opening Speech	
10:10-11:10	The 10th Hagura Award	12th State of the Art Technologies Expression Association & Latest Technology Art Session
11:10-14:10	The 19th International VR Symposium	20th Design Conference
14:10-15:00	Special Lecture	"Evaluation and design of repair and reinforcement effects for existing reinforced concrete structures based on 3D analysis" Prof. MAEKAWA Koichi
15:15-15:50	Presentation 1	"Take your design practice to the next level with the UC-1 series, leading the way in innovation"
15:50-16:25	Presentation 2	"Performance evaluation of social infrastructure and FEM analysis/simulation for disaster prevention and mitigation"
16:25-17:25	The 13th National Resilience Design Award Awards Ceremony	

PRESENT for participants

Register https://www.forum8.co.jp/fair/df/2026/index-e.html

For live

FORUM8 Branded

Images are for reference only.



Book card JPY500



Flexible Mobile Stand



Hardcover A6 Notebook



Reusable Bag

For online

Choose either

FPB 500pt (for users)

or

Book card web gift JPY500

METAVERSE

You can enjoy our metaverse space using the email address you registered on the application form and the password issued.

Design Festival EVE
EVE 11.17 Tue 14:00-19:00

The Design Festival Pre-Event will be held in the metaverse by Metavania F8VPS.

You can experience the metaverse in a virtual showroom powered by F8VPS.



Showcase at Shinagawa Intercity Hall Foyer

The most advanced VR Systems linked with FORUM8 software, including drive simulators will be on display throughout the event.

FORUM8 EXPERIENCE *Watch, Drive, Experience*

F8 Spatial Link



Integration of Metavania digital space and 3D hologram

ZEN-MAI
Interactive Robot Experience



An interactive robot connecting the real and the metaverse

360 degree Spacewalk Experience



PLATEAU Driving Simulator



Experience top-speed public road driving in a simulator



Experience FORUM8 Technologies

F8-AI series

F8-AI® UC Support
F8-AI® UC Design Support
F8-AI® Secure Engine
F8-AI® MANGA FOXAI
F8-AI® Cloud CAD CADVISER

UC-1 Cloud
Engineer's Studio®
FEMLEEG®
ForumSync
Metavania F8VPS
Majimon F8NFTS

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◆JSCE Continuing Professional Development (CPD) System
CPD = 0.5 x training hours can be registered as self-study

The 11th Autonomous Driving / Sustainable Conference
- Sustainable cities and mobility enabled by digital twins -

Simultaneous Interpretation into English/Chinese

9:50-15:55

This presentation introduces the latest features and system development examples of UC-win/Road, which is widely used in advanced research and development areas such as road design, vehicle development, ITS, and ADAS/autonomous driving. The 11th installment will be held as the "Autonomous Driving & Sustainable Conference," featuring speeches from relevant government agencies on the latest trends in autonomous driving projects both domestically and internationally, along with discussions of challenges and future prospects.

Opening Greetings 9:50-10:00

"Announcement of the 20th FORUM8 Design Festival"

President and CEO ITO Yuji

Special Lecture1 10:00-10:35



Director of Mobility Digital Transformation Office, Automobile Division, Manufacturing Industries Bureau, METI

Mr. KUROYABU Makoto

Instructor Profile
Joined the Ministry of Economy, Trade and Industry in 2006. Previously responsible for startup policies and coordinating Japan's digital policies at the Digital Agency. Currently holding this position since July 2025.

"Updates to the "Mobility DX Strategy" and the latest initiatives"

The Ministry of Economy, Trade and Industry (METI) formulated the "Mobility DX Strategy," which encompasses digital transformation (DX) across various areas such as Software-Defined Vehicles (SDV), autonomous driving, and data utilization beyond corporate boundaries. This strategy was initially drafted in May 2024 and updated in June 2025, based on discussions between government and private sectors. Since then, intense competition driven by advancements in artificial intelligence and the need for carbon neutrality has led to significant progress in both GX (Green Transformation) and DX. This presentation will introduce METI's initiatives, focusing primarily on the updates made to the strategy and subsequent policy developments.

Special Lecture2 10:35-11:10



Director of New-Generation Mobile Communications Office, Radio Department, Telecommunications Bureau, MIC

Mr. TANAKA Takahiro

Instructor Profile
Joined MIC in 2007. Has been involved in revising laws and regulations, establishing technical standards, promoting technological policies and research and development for next-generation communications, and advancing standardization. Currently holding this position since August 2026.

"Efforts by MIC regarding information and communication infrastructure in the era of autonomous driving"

As expectations for autonomous driving increase, driven by the need to secure local transportation options and address driver shortages, the Ministry of Internal Affairs and Communications has compiled the third report from the "Next-Generation ITS Communication Study Group for the Era of Autonomous Driving," scheduled for release in June 2026. This presentation will cover efforts related to establishing a framework for 5.9GHz band V2X communication, enhancing V2N communication, expanding licensing for 700MHz band ITS communication to include local governments and other entities, utilizing local 5G technology, and building business models and ecosystems that go beyond mere demonstrations.

Special Lecture3 11:10-11:45



Director of ITS Policy and Program Office, Road Traffic Control Division, Road Bureau, MLIT

Mr. IWAMOTO Masaya

Instructor Profile
Joined MLIT in 2004. After serving as a first-class clerk in the People's Republic of China and as the director of the Kyoto National Road Office, he assumed his current position in July 2026.

"Efforts of MLIT Road Bureau regarding autonomous driving"

The Ministry of Land, Infrastructure, Transport and Tourism (MLIT) Road Bureau is undertaking initiatives to support the realization of autonomous driving through road infrastructure. This presentation will introduce efforts aimed at achieving Level 4 autonomous driving services, including a "road-vehicle cooperative system" that provides information about road conditions at intersections on regular roads, demonstration experiments for creating driving spaces conducive to autonomous driving, and initiatives related to data linkage between roads and vehicles, as well as the use of autonomous vehicles for road maintenance and management.

Guest Greetings 13:00-13:30



Chairman of the "Diet Members' League for Considering Automotive Culture," Member of the House of Representatives

Mr. FURUYA Keiji

He has been elected to the House of Representatives for 13 consecutive terms. He has held various positions, including being the first Minister in charge of National Resilience, former Minister responsible for Disaster Prevention and Abduction Issues, and Chairman of the National Public Safety Commission. He is also the chairman of the Motorsports Promotion Diet Members' League and the honorary advisor to the FORUM8 Rally Japan Executive Committee. In his home region of eastern Gifu Prefecture, he aims to create a region where cutting-edge science and technology are integrated with nature and culture, and he is working towards realizing a model regional city for the future by utilizing the Linear Chuo Shinkansen project, including initiatives such as autonomous driving, attracting graduate schools, practical application of nuclear fusion power generation, and establishing a disaster prevention agency.

Special Lecture4 13:30-14:05



Sakai City Chief Officer/ Section Chief, Transportation Policy Section (responsible for promoting the SMI project), Transportation Department, Architectural and Urban Planning Bureau

Mr. YASUI Hiromasa

Instructor Profile
In 2013, he joined the Sakai City government and worked on the design and construction supervision of public buildings. From April 2022 to March 2024, he was dispatched to MLIT. In April 2024, he returned to Sakai City and was assigned to a department promoting the introduction of autonomous buses, among other things.

"Towards a Sustainable Local Community: Sakai City's Efforts Through AI and Digital Transformation"

To achieve a sustainable local community, Sakai City is promoting initiatives that utilize digital technologies such as autonomous driving and data utilization. This lecture will introduce practical examples of urban development through public-private partnerships, focusing on the SMI project, which aims to introduce autonomous buses.

Presentation1 14:05-14:50

"Implementing sustainable cities through digital twins: The cutting edge of using 3D city models with PLATEAU"

FORUM8, Director of Sales and Support
NITTA Junko

In recent years, with the promotion of digital transformation (DX) and the expansion of urban data infrastructure, efforts to connect and integrate vast amounts of independent data are becoming increasingly important. Digital twins are expected to serve as a core component for visualizing and analyzing these datasets, making them easier to understand and utilize. This presentation will focus on "PLATEAU," the 3D city model being developed by the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) as a foundation for realizing digital twins, and will introduce cutting-edge initiatives aimed at implementing sustainable smart cities. We will explore the potential and future of digital twins that accelerate data utilization, using concrete examples such as urban planning, town development, pedestrian flow simulation, disaster prevention, and integration with next-generation mobility.

CPD Certification Program

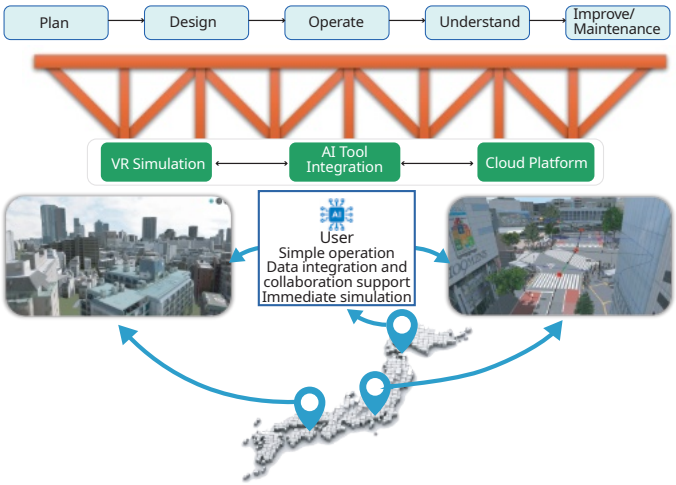
◆CPD accredited by the Society of Transportation Engineers of Japan
◆JSCE Continuing Professional Development (CPD) System
CPD = 0.5 x training hours can be registered as self-study

Presentation2 15:05-15:55

"Achieving sustainable mobility through an integrated platform of simulation, VR, and AI"

FORUM8, Executive Officer, Senior Development Manager Yoann Pencreach

Sustainable mobility is achieved through a series of processes, including planning, design, operation, needs assessment, and continuous improvement and maintenance of systems, all implemented efficiently. FORUM8 is developing and providing simulation, VR, and cloud platforms to comprehensively support all these steps. Furthermore, integration with AI tools promotes improved operational efficiency and enhanced services. This presentation will introduce the latest features and technological advancements in FORUM8's platform suite. Specifically, we will explain the technology for handling large spaces in F8VPS, use cases and new features of FORUMSync, and the AI support functions and new simulation creation features of UC-win/Road. Finally, we will discuss the prospects and expected effects that these technologies will bring to the future of the mobility sector.



Lectures on published books 17:05-17:25

During the Design Festival, all new and existing publications will be sold at special prices at the venue.

New Books

A new book published by FORUM8 Publishing along with Design Festival 2026 will be introduced. The author of the new book will introduce its contents.



Learn Security in 1 day - Official Guidebook for Expression Technology Certification Exam

FORUM8 Advisor
KOYA Shingo

This introductory book on information security is designed for professionals in construction and urban development, covering everything from basic knowledge and databases to cloud/AI, XR technology, on-site countermeasures, smart cities, and troubleshooting - all within a single day.

Revised Books



Learn Construction ICT in 1day - Official Guidebook for Expression Technology Certification Exam

Pave & Road How-To Way Technology Association
Mr. INAGAKI Tatsuoki



Learn Cloud AI in 1day - Official Guidebook for Expression Technology Certification Exam

Assoc. Teaching Professor, Arizona State University
Prof. KOBAYASHI Yoshihiro



Learn XR/Metaverse in 1day - Official Guidebook for Expression Technology Certification Exam

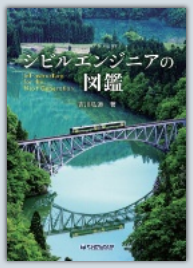
Osaka University
Prof. FUKUDA Tomohiro

Already Published Books

During the Design Festival, all new and existing publications will be sold at special prices at the venue.

Special Discount during DESIGN FESTIVAL 20% OFF

Books published by FORUM8
www.forum8.co.jp/product/book.htm



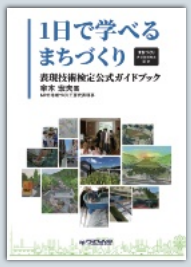
Visual Guide for Civil Engineers -Infrastructure for the Next Generation-

Professor Emeritus, Tokyo City University
YOSHIKAWA Hiromichi



BIM/CIM World Expanded by FORUM8 Revised Edition

Advisor:
IEIRI Ryota



Learn Urban Planning in 1day - Expression Technology Certification Exam

Representative of NPO Community Development Studio
KASAGI Hiroo



Guidebook for Shade3D Certification Exam

FORUM8 Shade3D Development Group

The 25th 3D VR Simulation Contest on Cloud Awards Ceremony

Simultaneous Interpretation into English/Chinese

15:55-17:05

"3D-VR Simulation Contest on Cloud" is the competition between international and domestic contestants to see who can create the most advanced VR simulation. UC-win/Road has been used in various fields from civil engineering/- construction, to driving/traffic simulation, environmental assessment and disaster management. In a recent years, its fields of application and possibilities have been expanded to even educational training and new applications using the metaverse. The 4th "VR SYSTEM OF THE YEAR" will also be selected by the VR Promotion Council.



Schedule

Oct. 16 Deadline for application
Oct. 26 Nomination work screening
Nov. 4-12 General voting period

VR-Cloud®

Vote via VR-Cloud®

Access to the website below

http://vrcon.forum8.co.jp

FORUM8 POINT BANK FPB FPB1000pt

1000(円) 図書カードNEXT

We will grant FPB1000pt to all users that viewed and voted online their favorite VR data, which are submitted for the contest's evaluation, shown on the webpage that can be accessed from their User Information Page!

24th Awardwinning Work

Grand Prix



Metaverse Education Platform / IMSS (Infrastructure Maintenance Smart Simulator)
Ehime University

2nd Prize



Simulation of initial evacuation for stranded people immediately after a large-scale disaster
Taito-ku, Tokyo

Award

Grand Prix	High-performance gaming laptop GALLERIA RL7C-R55-5N, Shopping gift card designed with FORUM8 Rally Japan (JPY100,000), Trophy
2nd Prize	Gaming laptop GALLERIA RL7C-R35-5N, Shopping gift card designed with FORUM8 Rally Japan (JPY50,000)
Idea/Essence Award	Shade3D Game Programming PC, Shopping gift card designed with FORUM8 Rally Japan (JPY30,000)
Honorable Judge Award	iPad (128GB), Shopping gift card designed with FORUM8 Rally Japan (JPY30,000)
Nomination Award	Plaque, Shopping gift card designed with FORUM8 Rally Japan (JPY10,000)

PCs are provided by Thirdwave.

Host/Moderator



Mr. IEIRI Ryota
Host/Moderator / Award Ceremony Moderator

A construction IT journalist who continues to provide information from a "one step ahead" perspective to solve management challenges facing the construction industry, such as productivity improvement, global environmental conservation, and internationalization, through the introduction of BIM, 3D CAD, and information-based construction.

Juries



Prof. SEKI Fumio

Professor, Civil Eng. Dept. Fac. of Science and Tech., Nihon University

After engaging in various designs at a major construction company, he was appointed in the current position since 2011. In recent years, in addition to civil engineering design, he works on a wide range of digital technologies, PFI and PPP projects.



Mr. KASAGI Hiroo

Representative of NPO Community Development Studio

Director of Japan Society for Impact Assessment, director of Laboratory of Autonomy Problem, part-time instructor of University of Tsukuba, etc. Won the prize of Minister for the Environment for his activity of global warming in 2005. Author of some books.



Prof. HARAGUCHI Tetsunori

Visiting Prof., Org. for Future Society Creation, Nagoya University

After graduating from Department of Mechanical Engineering and Sciences, Graduate School of Kyoto University, he worked at Toyota Motor Corporation. Started to work at Nagoya University since 2011 and is a visiting professor now.

VR System of the YEAR

VR SYSTEM OF THE YEAR

The VR Promotion Council, which judges the VR SYSTEM OF THE YEAR award (2022-), works to develop and provide a virtual platform using VR, as well as to utilize it in various industrial fields in collaboration with local governments and other organizations.

Trophy,
Shopping gift card designed with FORUM8 Rally Japan (JPY200,000)

Networking Party 17:25-

Venue Foyer of the Shinagawa Intercity Hall

We will hold a networking party at the end of Day 1. As a communication and information sharing event, our development managers and support managers will also be in attendance. In addition, we will present a VR performance as part of the party content. Everyone, please join us. We are looking forward to having you attend.

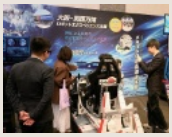
Participation in the party is open to users or by invitation from a sales representative.











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The 27th UC-win/Road Conference
Space Infrastructure & Satellite Data Utilization Conference

Simultaneous Interpretation into English/Chinese

9:50–14:20

— Societal Implementation of Satellite and GNSS for Disaster Management —

As the social implementation of space satellite technology and GNSS accelerates, this conference will feature a special lecture from the Cabinet Office and MLIT, practical applications of GNSS and digital twins for urban disaster prevention, and an introduction to the potential applications of "spaceF8" in space development. This is the first time we are holding a conference that delves into the forefront of strengthening national resilience through space infrastructure.

Opening Greetings 9:50–10:00

"Announcement of the 20th FORUM8 Design Festival“

President and CEO ITO Yuji

Special Lecture 1 11:10–11:50

"The current status and future prospects of utilizing satellite remote sensing data to address social challenges"



Instructor Profile

Assigned to the River Environment Division of the Water and Disaster Management Bureau, MLIT, working also as a river environment assessment analyst. The concurrent assignment at the secretariat involves promoting the use of remote sensing data from government and private satellites by related ministries and agencies.

Counselor, National Space Policy Secretariat, Cabinet Office

Mr. YOSHIDA Kuninobu

In response to the increasing severity and frequency of disasters, aging infrastructure, and population decline, the government is promoting the utilization of "satellite remote sensing" technology under its "Basic Plan for Space Development" and "Space Technology Strategy," supported by an annual space-related budget exceeding 1 trillion yen and a space strategy fund. This presentation will introduce the latest developments on how government and private satellites are being used to address social challenges such as disaster response (e.g., the Noto Peninsula earthquake and heavy rainfall, the Kumamoto earthquakes) and aging infrastructure, and explore potential future applications. It will also report on the current status of the national space infrastructure strategy and its prospects for societal implementation.

Special Lecture 2 13:00–13:40

"Challenges in lunar construction and the future of construction technology"



Instructor Profile

Joined the MLIT in 2006. Held positions including Assistant Chief of the Engineering Affairs Division, Minister's Secretariat; Planning Specialist at the Planning and Coordination Division for Public Works, Policy Bureau; and Director of the Inagawa River Office, Kinki Regional Development Bureau. Currently holding the position since April 2025.

Director of Construction Automation, Counselor (Innovation) Group, Engineering Affairs Division, Minister's Secretariat, the Ministry of Land, Infrastructure, Transport and Tourism

Mr. KIKUTA Kazuyuki

In order to lead the world in lunar base construction for space utilization and exploration, remote or automated construction technologies (such as unmanned construction) are essential elements. The Ministry of Land, Infrastructure, Transport and Tourism (MLIT) is promoting automated and remote construction techniques to enhance disaster response in the face of increasing severe disasters, and to improve productivity in a declining population environment. This presentation will introduce technological developments for applying these construction technologies to lunar base construction, as well as efforts to expand these technologies to terrestrial projects.

Presentation 13:40–14:20

"spaceF8 - Space Digital Twin"

~The Potential of Digital Twins in Space Development and Urban Disaster Prevention~

FORUM8, Executive Officer System Sales Manager, MATSUDA Katsumi



Space development and urban planning are now increasingly linked by the same technological foundations. This presentation will introduce a concept of using digital twins to conduct preliminary studies, leveraging the "spaceF8" space satellite solution. We will explore the possibilities of planning and constructing lunar bases, as well as remotely operating and training without physical prototypes. This approach also applies to urban disaster preparedness, and we will propose examples involving urban operations and monitoring using satellite positioning (GNSS) and observational data, flood and earthquake simulations, and verification of evacuation plans using the 3D city model "PLATEAU," incorporating real-time VR "UC-win/Road," the metaverse "F8VPS," and the data integration platform "ForumSync."

The 16th Student BIM&VR Design World Cup

Simultaneous Interpretation into English/Chinese

10:00-11:10

The 16th VDWC Public Presentation & Final Judgment

The 16th VDWC is a cloud-based competition for cutting-edge architectural and civil engineering designs. Numerous works have been submitted from Japan and abroad. Each team will present their work at the final public judging.



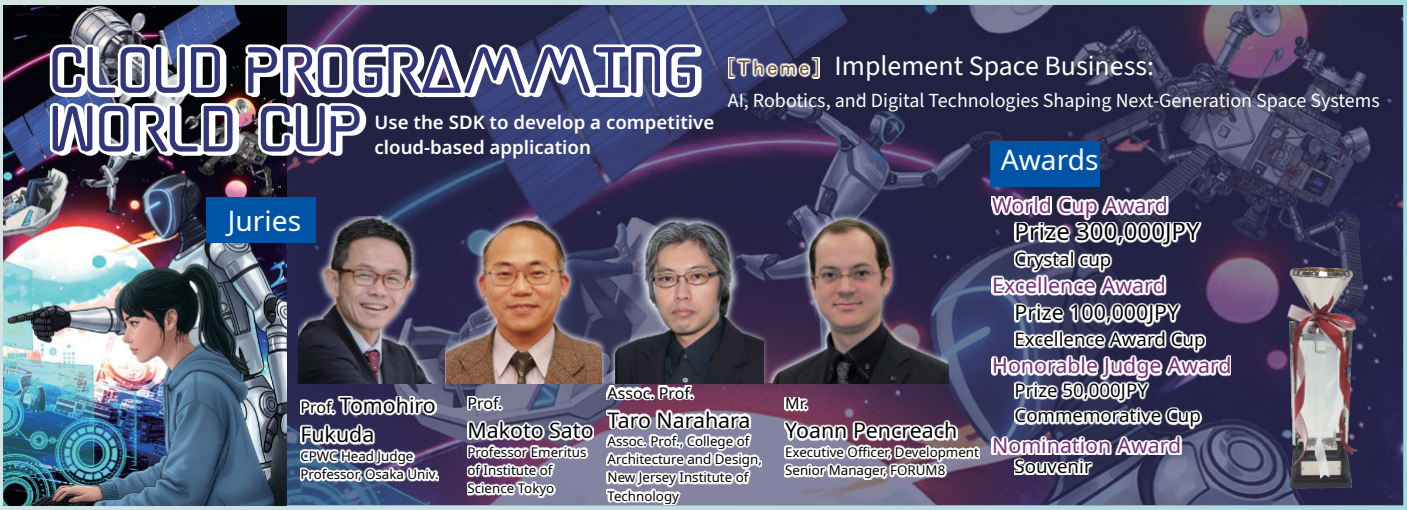
Simultaneous Interpretation into English/Chinese

The 14th Student Cloud Programming World Cup

14:20-15:30

The 14th CPWC Public Presentation & Final Judgment

The 14th CPWC is a competition for programming skills to develop cloud application using development kit. Numerous works have been submitted from Japan and abroad. Each team will present their work at the final public judging.



Presentation 15:45-16:20

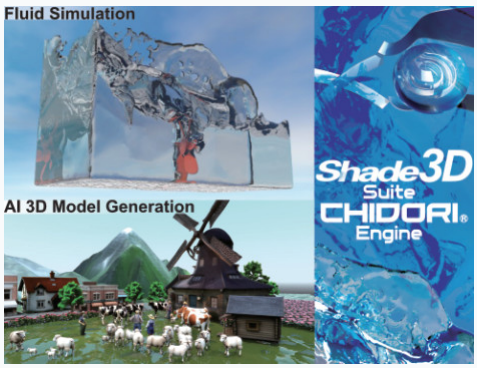
"Introduction to the latest features of Shade3D"

~Features for designing and developing next-generation products, and future prospects.~

Utilizing Suite Chidori Engine

FORUM8 Shade3D development group, MIKURIYA Keisuke

The latest version, Ver.27, includes new features designed to powerfully support content creation. We will introduce these features through demonstrations, including an AI model generation system that allows you to easily create assets based on prompts, a fluid simulation system that uses physics calculations for realistic results, input/output and editing functions for high-quality spatial data based on scanning technology called "3D Gaussian Splatting," parametric generation and editing of flexible structure gates, and other features currently under development, along with future prospects. We will also provide the latest information about the Japanese game engine, "Suite Chidori Engine."



Day 2 11.19 Thu

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The 14th Student Cloud Programming World Cup/The 16th Student BIM&VR Design World Cup

14th CPWC / 16th VDWC Awards Ceremony

Simultaneous Interpretation into English/Chinese
16:20-17:20



VDWC/CPWC Presenter

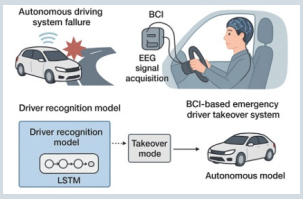
Mr. Patrick Harlan

The event will be hosted by Mr. Patrick Harlan (Pakkun), who appears in our company's TV commercials.

FORUM8 TV commercial character Pakkun will host the awards ceremony!

Many projects from both domestic and international participants have been submitted to the 14th CPWC, where participants compete in cloud app programming using development kits, and the 16th VDWC , where advanced architecture and civil engineering designs are showcased in the cloud.

CPWC 13th World Cup Award



Brain control emergency takeover method and system for driver facing automatic driving failure
Intelligent Driving Escort Team
Beijing Jiaotong University (China)



VDWC 15th World Cup Award





The Road
OOZ
National Cheng Kung University (Taiwan)

Simultaneous Interpretation into English/Chinese
17:20-17:50

The 12th Junior Software Seminar Award Ceremony

The "Junior Software Seminar," held during winter, spring, and summer breaks for elementary and junior high school students, connects the Tokyo headquarters with nine seminar rooms across Japan via video conference. This event will showcase and award VR works created by the students during the seminar.



Land of Sweets
Elementary 5th Grade



Heaven
Junior High 2nd Grade



Awards Ceremony at The 19th Design Festival 2025

Networking Party

Venue Foyer 17:50-

FORUM8 SPACE NIGHT

- Far from Earth, let's toast. -

On the evening of Day 2, we will be hosting a special networking event with a space theme. We've prepared some fun surprises to create a slightly different atmosphere and let you experience the feeling of being in space. Please join us for a relaxed evening where you can eat, drink, talk, and interact with each other while enjoying the Design Festival. Let's take a break from complex discussions about space, and tonight, let's raise a toast to feeling just a little bit further away from Earth.

We invite you to participate in "FORUM8 SPACE NIGHT," a one-night-only event.



Participation in the party is open to users or by invitation from a sales representative.

CPD Certification Program

◆CPD accredited by the Society of Transportation Engineers of Japan
◆JSCE Continuing Professional Development (CPD) System
CPD = 0.5 x training hours can be registered as self-study

The 12th State of the Art Technologies Expression Association & Latest Technology Art Session

Simultaneous Interpretation into English/Chinese

9:50-11:10

Opening Greetings 9:50-10:10

"Announcement of the 20th FORUM8 Design Festival“

President and CEO ITO Yuji

The 10th Hagura Award

一般財団法人
最先端表現技術利用推進協会

To spread and promote the state-of-the-art expression technology, State of the Art Technologies Expression Association established the "Hagura Award". The purpose of this award is to contribute to enhancing the quality of expression technologies and spreading them to various fields by commending contributions to the society through works and activities utilizing the state of the art expression technologies regardless of field. The winners will be announced and awarded in this session.

Greeting from Chairman 10:10-10:20



Chairman of the State of the Art Technologies Expression Association

Prof. ISHII Hiroshi

Profile
Born in Tokyo in 1956. He graduated from the Faculty of Engineering at Hokkaido University in 1978, completed his master's program at the same university in 1980, and then joined Nippon Telegraph and Telephone Public Corporation (now NTT). He obtained a doctorate from Hokkaido University in 1992. Since 1995, he has been leading research on "Tangible Bits" at the MIT Media Lab. Currently, he is the Associate Director of the MIT Media Lab and Director of the Tangible Media Group.

Awards

Hagura Award
Prize JPY200,000, Trophy

FORUM8 Award
Prize JPY150,000

Excellence Award
Prize JPY100,000

Incentive Award
Prize JPY50,000



9th Award Hagura Award

"3D Content with a Sence of Haptics and Scent"
NHK Science & Technology Research Laboratories



Excellent Award

"Real-time 3D Space Communication"
NTT Human Informatics Laboratories



Excellent Award

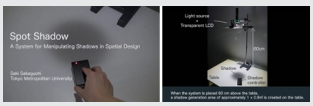
"Stroke Transfer for Participating Media“
Stroke Transfer Research Team





8th Award

"Spot Shadow: A System for Manipulating Shadows in Spatial Design“
Ms. SAKAGUCHI Saki, Tokyo Metropolitan University



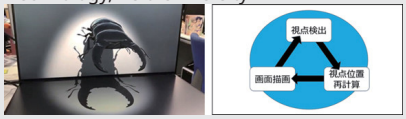
7th Award

"Real-time REXR (Realistic and EXpressive 3D avatar)"
Mr. Michal Joachimczak, Ms. Juan Liu, Mr. ANDO Hiroshi, Advanced Reality Technology Laboratory, National Institute of Information and Communications Technology (NICT)



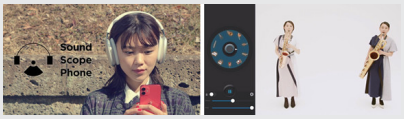
6th Award

"Personal Naked Eye Stereoscopic Viewing System based on Anamorphosis“
Fujishiro Lab., Dept. of Information and Computer Science, Faculty of Science and Technology, Keio University



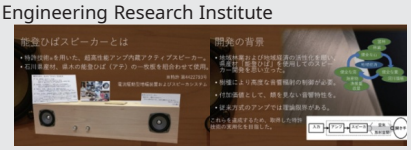
5th Award

“Sound Scope Phone“
Music Information Intelligence Team, RIKEN Center for Advanced Intelligence Project



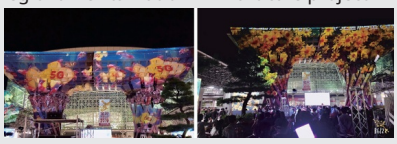
4th Award

"Noto Hiba Speaker"
Hokuriku State of the Art Sound Effect Engineering Research Institute



3rd Award

"Kanazawa>>5G gate 2019 Mimassi"
Kanazawa Institute of Technology Regional revitalization / DK art café project



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Simultaneous Interpretation into English/Chinese

11:10-14:10

The 19th International VR Symposium

The International VR Symposium brings together members of "World16," a group of international researchers from fields such as architecture, civil engineering, and urban planning, to present and discuss proposals for the use of VR. This symposium will feature presentations on research, development, and the application of results to our company's package products, with the session hosted by Dr. KOBAYASHI Yoshihiro from Arizona State University. We will deliver presentations focusing on outstanding initiatives based on the applications of VR proposed at the Summer Workshop, which began in Phoenix in 2008 and marks its 17th edition this year.





Greeting from World16 Chair

Moderator

Professor, School of Computing and Augmented Intelligence, Arizona State University

Dr. KOBAYASHI Yoshihiro

This year's workshop focused on the theme of "AI + Digital Twin + Robotics," and we explored how to integrate these rapidly developing cutting-edge technologies with FORUM8's VR/3D tools to create new value. We developed project proposals and prototypes for this purpose. This symposium will present the results of that work in three sessions:

Integration Session With Cutting-edge Technologies

We investigated how cutting-edge technologies such as Gaussian Splatting, Graph Neural Networks (GNNs), and quantum computing can be integrated and utilized with existing VR and simulation environments. We examined the development environment for 4DGS and compared it with commercial tools, explored road deterioration prediction using GNNs, and considered a framework that allows comparison between conventional computation and quantum annealing. Furthermore, we attempted to generate 3D models and animations from natural language instructions to AI through MCP serverization of F8VPS.



FUKUDA Tomohiro
Prof., Division of Sustainable Energy and Environmental Engineering, The University of Osaka



Paolo Fiamma
Associate Professor, Director of the BIM Master's Program, University of Pisa



Matthew Swarts
Researcher, Agricultural Technology Research Program, Georgia Tech



Marcos Novak
Professor, Media Arts and Technology Program, University of California, Santa Barbara

Agentic AI for Design Session

We explored the application of agentic AI in architecture and design, investigating the potential for AI to not only suggest ideas but also autonomously assist with tasks such as design and verification. A wide range of proposals were made, including designs that consider the reuse of building materials, lighting design, regulatory checks, cost estimation, and more. Furthermore, by leveraging MCP to link external databases with VR spaces, and demonstrating the ability to generate and modify 3D architectural models on UC-win/Road using only natural language instructions, we showcased the potential for a new design environment that connects AI with existing systems.



Amar Bennadji
Professor, Sustainable Built Environment, Hanze University of Applied Sciences



Rebeka Vital
Senior Lecturer, Shenkar School of Design



Dongsoo Choi
Audio Visual Services Manager, College of Architecture, Arts, and Design, Virginia Tech



Sky Lo (Tian Tian Lo)
Assistant Professor, School of Design, The Hong Kong Polytechnic University

Physical AI & Robotics Session

We explored the possibility of integrating Physical AI and Digital Twins to apply simulation results and learning outcomes from virtual spaces to real-world robots. This included building a motion control and learning environment for the Unitree G1, using a Digital Twin of the lunar surface to train and validate a quadruped robot, and proposing a system that utilizes robots patrolling facilities to guide evacuation during disasters. This is an attempt to utilize Digital Twins as a learning and validation platform for robots to operate safely in the real world.



NARAHARA Taro
Associate Professor, College of Architecture and Design, New Jersey Institute of Technology



Thomas Tucker
Associate Professor, School of Visual Arts, Virginia Tech



Kostas Terzidis
Professor, College of Design and Innovation, Tongji University,

Design・Analysis

The 20th Design Conference

Simultaneous Interpretation into English/Chinese

14:10–15:00

A lecture will be given on initiatives aimed at disaster mitigation in response to the increase in extreme weather events due to climate change and the frequent occurrence of complex disasters such as earthquakes. Additionally, considering the BIM/CIM and i-Construction initiatives promoted by the Ministry of Land, Infrastructure, Transport and Tourism, presentations will be made on the development of FORUM8 solutions in areas such as DX (Digital Transformation), seismic resilience, disaster prevention, and informatized construction.

Special Lecture 14:10–15:00



Instructor Profile
He led the development of the multi-scale integrated analysis system DuCOM-COM3 and has received numerous awards, including the JSCE Research Achievement Award and the Yoshida Award. He served as Chairman of the Concrete Committee of the JSCE and as President of the Japan Concrete Institute (JCI), and currently serves as Chairman of the Study Group for Improving Concrete Productivity.

"Evaluation and design of repair and reinforcement effects for existing reinforced concrete structures based on 3D analysis"

Visiting Professor, Institute for Multidisciplinary Sciences, Yokohama National University
Professor Emeritus, University of Tokyo

Prof. MAEKAWA Koichi

In the maintenance and management of existing reinforced concrete structures, it is crucial to quantitatively evaluate the effects of repairs and reinforcement and translate them into rational designs. This presentation will introduce the latest efforts in analytically evaluating the repair and reinforcement effects of reinforced concrete structures based on the degree of damage, building upon the advancements made since the 2022 presentation regarding three-dimensional nonlinear analysis. By overlaying inspection data, actual measurements, and numerical analyses to create a "digital world," we will explore the conditions and limitations for achieving repair and reinforcement effects, and consider their application to the reinforcement design of existing reinforced concrete structures.

Presentation 1 15:15–15:50

"Take your design practice to the next level with the UC-1 series, leading the way in innovation"

NAKAHARA Shiro, FORUM8, Executive Officer, UC-1 Development Manager



In the construction industry, a severe shortage of engineers has made ensuring design quality and transferring technical knowledge major challenges. To address this situation, FORUM8 is advancing reforms to the UC-1 series, which provides even more powerful support for design work. The multi-platform compatibility allows design and drafting tasks to be performed regardless of location or environment; all products are equipped with F8-AI®UC support, assisting inexperienced young engineers and those working in multilingual environments; and we are also undertaking various initiatives towards transforming design practices, including new CAD environments that utilize AI and cloud technology. We will demonstrate the UC-1 Cloud Complete series and other next-generation design environments, such as F8-AI Cloud CAD. In addition, we will provide the latest information on the UC-1 series, which is directly related to design practice, including its compliance with the "2025 Specifications for Highway Bridges" and the "Seismic Retrofitting Guidelines for Sewage Facilities - 2025 Edition."

Presentation 2 15:50–16:25

"Performance evaluation of social infrastructure and FEM analysis/simulation for disaster prevention and mitigation"

MATSUYAMA Hiroto, FORUM8, Analysis Support Group, Deputy Group Leader

As natural disasters such as earthquakes and heavy rainfall become increasingly severe, it is crucial to ensure the safety of social infrastructure by appropriately evaluating the behavior and damage of structures, assessing the impact of disasters, and verifying the effectiveness of countermeasures in advance. This presentation focuses on performance evaluation of social infrastructure and its application to disaster prevention and mitigation measures, introducing the latest technologies and practical examples of FEM analysis and simulation. In structural analysis, we will introduce the latest features that streamline the process from model creation to analysis, focusing on nonlinear analysis using Engineer's Studio®, including automatic fiber section generation for steel sections and automatic cross-section setting for nonlinear RC plate elements. We will also discuss advancements in the integration of FEMLEEG® and Shade3D, as well as the incorporation of F8-AI® UC support, to enhance the 3D modeling and AI-powered analysis environment. Furthermore, we will present examples of damage and impact assessment through structural analysis and flood inundation analysis, targeting natural disasters such as earthquakes and heavy rainfall, and how these analyses can be used in developing countermeasures. By integrating FEM analysis with 3D models, AI, and various simulations, we propose the latest engineering solutions to support performance evaluation of social infrastructure and the development of disaster prevention and mitigation measures.

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CPD = 0.5 x training hours can be registered as self-study

Announcement of winners and awards ceremony

The 13th National Resilience Design Award

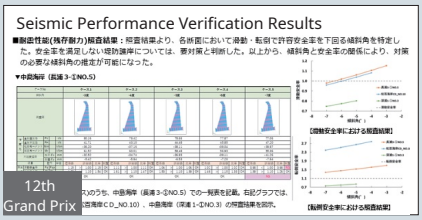
NaRDA

Simultaneous Interpretation into English/Chinese
16:25–17:25

Outstanding examples and achievements contributing to national resilience are brought together!

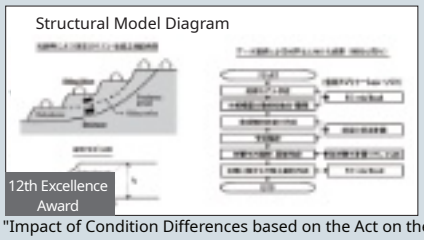
The "National Resilience Design Award" showcases specific application examples and achievements that contribute to national resilience. This event aims to provide a platform for information sharing and technical skill development for engineers and related professionals. It highlights and honors outstanding works in the fields of structural analysis (civil engineering and architecture), geotechnical engineering, hydraulic engineering, and disaster prevention.





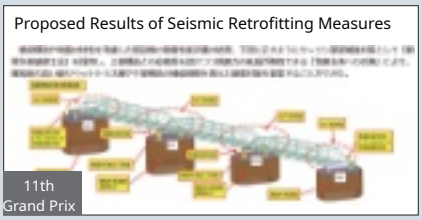
12th Grand Prix

"Seismic performance verification on Tilted Seawalls Caused by the Noto Peninsula Earthquake"
-Aiming for Quick Determination of Countermeasure Necessity based on Residual Tilt-
Naigai Engineering Co., Ltd.



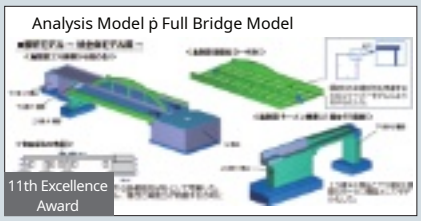
12th Excellence Award

"Impact of Condition Differences based on the Act on the Regulation of Housing Land Development and Specified Embankment on Embankment Sliding and Collapse"
-Proposal for Facilitating the Project to Prevent Landslides and Collapses in Large-Scale Embankment Areas-
Mitsui Consultants Co., Ltd.



11th Grand Prix

"Seismic Performance Evaluation of 3 Simple Steel (Iron) Riveted Truss Bridges"
- Seismic Performance Evaluation of Existing Bridges Considering Bridge Structure and Soil Characteristics -
Aratani Civil Engineering Consultants CO.,LTD.



11th Excellence Award

"Evaluation of Existing Seismic Performance of a Steel Single-String Lozenge Bridge and Reinforcement Examination"
- Creation of Analysis Model for Rational Reinforcement
NiX JAPAN Co., Ltd.

Award

Grand Prix
High Performance Laptop PC (GALLERIA RL7C-R45-5N), FORUM8 Branded Book Card (JPY50,000), Trophy

2nd Prize
Gaming Laptop PC (GALLERIA RL7C-R35-5N), FORUM8 Branded Book Card (JPY30,000)

Honorable Judge Award
Shade3D/Game Programming PC, FORUM8 Branded Book Card (JPY20,000)

Nomination Award
FORUM8 Branded Book Card (JPY10,000), Plaque



PCs are provided by Thirdwave.

Host/Moderator



Mr. IEIRI Ryota
Host/Moderator / Award Ceremony Moderator
Construction IT Journalist. Shares forward-thinking insights on solving management challenges in the construction industrysuch as productivity improvement, environmental conservation, and globalizationthrough the adoption of BIM/CIM and ICT technologies.

Juries



Prof. YOSHIKAWA Hiromichi
Chair, Honorary Prof., Tokyo City University
Waseda University's School of Science and Engineering Graduate with a specialization in Construction and Doctorate in Construction Engineering. Specializes in seismic design, earthquake risk, and reinforced concrete. Recipient of the Japan Society of Civil Engineers Paper Award, the Yoshida Award, among others. Author of 7 books including "Urban Earthquake Disaster Prevention".



Prof. MORITA Masaru
Honorary Prof., Shibaura Institute of Technology
Honorary Professor at Shibaura Institute of Technology. Specializes in urban hydrology, groundwater hydrology, and flood risk management. Author of "Groundwater Talks - The Crisis of Invisible Resources" (Iwanami Shinsho).



Prof. WAKAI Akihiko
Professor, Gunma University Graduate School of Science and Engineering
Specializes in geotechnical disaster prevention and the interaction between ground and structures. Engaged in research on phenomenon prediction using computers, elucidation of mechanisms during extreme weather events and major earthquakes, and development of disaster mitigation strategies.

Product Information

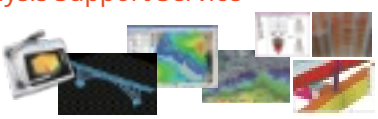
・FEM Analysis

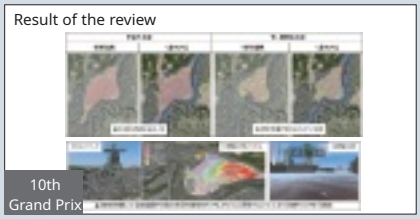
・Engineer's Studio®, Dynamic non-linear analysis of 3D laminated plates and cables
・FEMLEEG®, Comprehensive finite element method analysis system
・WCOMD Studio
・Geotechnical Analysis （GeoFEAS® VGFlow® / 2D elasto-plastic ground analysis GeoFEAS®2D / Geo Engineer's Studio Dynamic Stress Analysis for Ground UWLC / 3D Slope Stability Analysis LEM3D / 2D seepage analysis VGFlow®

・UC-1 Series

・Structural Analysis, Bridge Superstructures, Bridge Substructures, Foundation Work, Temporary Construction, Road/Earth work, Waterworks,etc.
・xpswmm (Rainwater runoff analysis / flood analysis software)

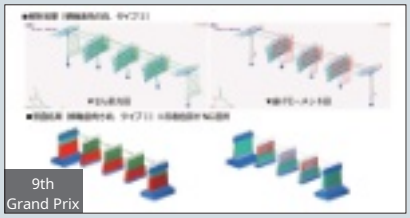
・Analysis Support Service





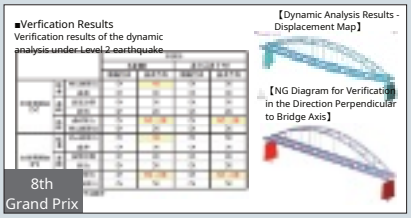
10th Grand Prix

"Flood simulation using 3D city model"
-Visualize disaster risks using moving hazard maps
Tamana City, Kumamoto Prefecture



9th Grand Prix

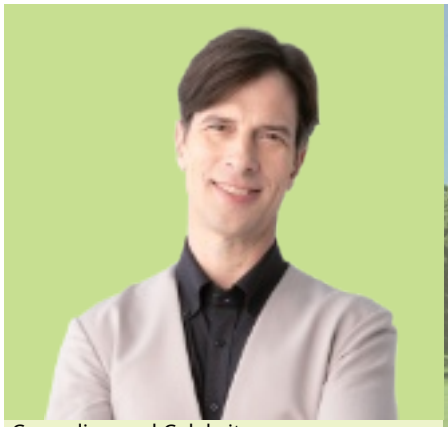
"Level 2 Earthquake Dynamic Nonlinear Analysis of Existing Overpass with Composite Piers"
-Verify a bridge constructed in the early Showa period under the latest seismic loads
KRAY Inc.



8th Grand Prix

"Seismic Study of Existing Steel Pipe Arch Water Pipe Bridge"
-Check damages of steel arch members and verify nonlinear seismic performance of legs
NIX Co., Ltd.

Special Events for Premium Users



Comedian and Celebrity
Patrick Harlan (Pakkun)
After graduating from Harvard University, he moved to Japan in 1993.
Formed the comic duo' Pakkun Makkun" in 1997.
Birthplace: Colorado, US
Fukui brand ambassador
Part-time Lecturer at Tokyo Institute of Technology, visiting professor at Ryutsu Keizai University
Hobby: Floor exercise, spring board diving, volleyball, table tennis

Golf

Social golf Tournament with Pakkun
Camellia Hills Country Club

Place: Camellia Hills Country Club https://golf-in-japan.com/courses/chiba/camelia-hills-country-club
265 Otake, Sodegaura, Chiba 299-0221, Japan TEL: +81-(0)438-75-4111
Time: Starts at 9:10 AM
(Scheduled to depart from Shinagawa Intercity Building A Drop-off area at 7:00 AM)
Candidates: Those who attended Design Festival Day 1, Day 2, Day 3.
Membership System, SPU are invited.





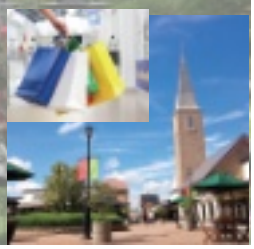
Tour

Technical Tour
Hakone & Odawara Autumn Tour: Odawara Castle and the Hakone Venetian Glass Museum

Candidates:
Those who attended Design Festival Day 1, Day 2, Day 3 /
Membership System, SPU are invited

Sat. Nov. 21st 8:30-19:45 Bus departs from Shinagawa Intercity Building A
Visit Odawara Castle - Hakone Venetian Glass Museum - Gotemba Premium Outlet





Registration Fill out the application from https://seminar.forum8.co.jp/en/fair/df/apply

*Travel and accommodation fee needed to get to the meeting place are at your own expense.
*If there are many applicants, participants will be selected via lottery.

11.16 MON - 11.17 TUE Day 1 13:00-17:30 / Day 2 9:30-17:30
UC-win/Road Expert Training Seminar



UC-win/Road Expert Training Seminar is a seminar for distributors of UC-win/Road and consultants who are proposing VR projects using UC-win/Road.

Participation Fee USD200

Date and Time Nov.16 MON 13:00-17:30
Nov.17 TUE 9:30-17:30

Venue FORUM8 Tokyo Head Office Seminar Room
*Please refer to Map on the back cover

Seminar Details / How to Register

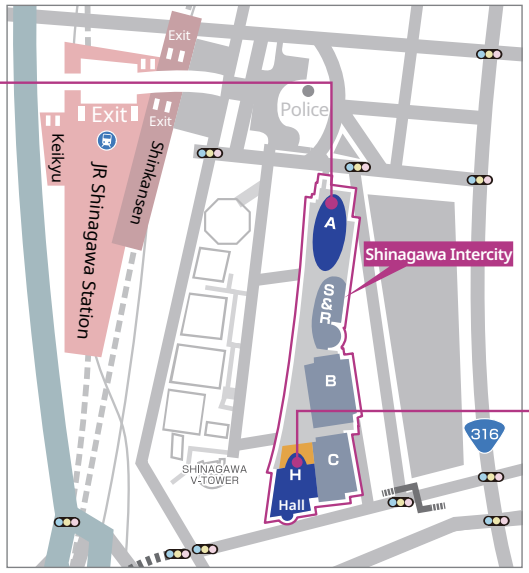
You can apply via online application form on the FORUM8's seminar webpage.

MAP - Venue Information -

Expert Seminar Venue
FORUM8 Tokyo Head Office
Shinagawa Intercity Building A 21F
Showroom / Seminar Room



5 minute walk from Shinagawa Station
FORUM8 Tokyo Head Office
Shinagawa Intercity Building A 21F,
2-15-1 Konan, Minato-ku,
Tokyo 108-6021, Japan
TEL: +81-3-6894-1888



Shinagawa Intercity is located in front of Shinagawa Station (JR East, Keikyu), with direct access to all stations on the Yamanote Line, as well as to cities in the Yokohama and Chiba areas, and even Narita International Airport and Haneda Airport.



Event Venue
Shinagawa Intercity Building H
1st Floor, Hall & Foyer

株式会社フォーラムエイト
FORUM8

ISO27001/27017 ISMS　ISO22301 BCMS　ISO9001 QMS　ISO14001 EMS

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Sapporo Office	Tel : +81-11-806-1888
Sendai Office	Tel : +81-22-208-5588
Iwate Office	Tel : +81-19-694-1888
Nagoya Showroom	Tel : +81-52-688-6888
Kanazawa Office	Tel : +81-76-254-1888
Fukuoka Sales Office	Tel : +81-92-289-1885
Okinawa Office	Tel : +81-98-951-1888
Drone School Osaka Namba	Tel : +81-120-963-572
Super computer cloud Kobe Lab.	Tel : +81-78-304-4885
Toranomon Lab.	
FORUM8 NETSUGEN Gunma Desk	

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