



# EMCoS USERS' MEETING 2024

20TH JUNE 2024, SOUTH KOREA  
GRAVITY SEOUL PANGYO

CONNECTING  
EXPERIENCES



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# EMCoS USERS' MEETING 2024

## Gravity Seoul Pangyo 20-June-2024





# EMCoS USERS' MEETING 2024

## LIST OF SESSION ATTENDEES

**EMCoS LLC**  
Georgia

**EMCoS SARL**  
France

**HUWIN**  
South Korea

**HYUNDAI MOTOR  
GROUP**  
South Korea

**CPS TECH**  
South Korea

**MANDO**  
South Korea

**SL CORPORATION**  
South Korea

**HD KOREA  
SHIPBUILDING  
& OFFSHORE  
ENGINEERING**  
South Korea

**KYUNGSHIN**  
South Korea

**KATECH**  
South Korea

**JSOL CORPORATION**  
Japan

**MITSUBISHI MOTORS**  
Japan

**MAZDA MOTOR  
CORPORATION**  
Japan

**SHANGHAI  
HOLLYWAVE  
ELECTRONIC SYSTEM  
CO.,LTD**  
China

**THAYER SCHOOL OF  
ENGINEERING AT  
DARTMOUTH**  
USA

**EMC-4-YOU**  
France



# EMCoS USERS' MEETING 2024

## TECHNICAL AGENDA

Time	Presentation
10:00 - 10:20	REGISTRATION
10:20 - 10:30	WELCOME Dr. Charlie Jeung HUWIN   South Korea
10:30 - 11:00	EMCoS Recent Developments and Roadmap Dr. Roman Jobava EMCoS LLC   Georgia
11:00 - 11:30	Integrated CE/RE/BCI/RI Simulation Environment using EMCoS Software Dr. Charlie Jeung HUWIN   South Korea
11:30 - 12:00	Automotive System EMC Hyunwoo-Seo HYUNDAI MOTOR GROUP   South Korea
12:00 - 12:30	Virtual Electromagnetic Design/Testing of Electrified Vehicle with EMCoS Studio Dr. Hongseok Kim CPS TECH   South Korea
12:30 - 13:00	The Impact of HV Components on LV Area Dujin Lee MANDO   South Korea
13:00 - 14:00	LUNCH
14:00 - 14:30	PEEC Modeling/CE Analysis and Correlation Sungha Lee KYUNGSHIN   South Korea

Time	Presentation
14:30 - 15:00	PEEC Modeling/BCI Analysis and Correlation Byungho Cho SL CORPORATION   South Korea
15:00 - 15:30	Development of Simulation Technology from the Perspective of Automotive OEM Masahiro Yokochi MITSUBISHI MOTORS   Japan
<b>INVITED SPEAKERS</b>	
	15:30 - 16:00 Dr. Fridon Shubitidze, USA Professor of Engineering, Thayer School of Engineering at Dartmouth  Presentation: "EMCoS Studio: A Promising Tool for Planning Nano-Particle Hyperthermia Treatments in Clinical Settings"
	16:00 - 17:00 Dr. Marco KLINGLER, France Independent EMC Expert and Consultant  Presentation: "Implementation of Numerical Simulation Activities in Automotive Development Processes using EMCoS Software"

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## REGISTRATION





# EMCoS USERS' MEETING 2024

WELCOME







# EMCoS USERS' MEETING 2024

Dr. Roman Jobava

EMCoS LLC | Georgia

## EMCoS RECENT DEVELOPMENTS AND ROADMAP





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Dr. Charlie Jeung

HUWIN | South Korea

INTEGRATED CE/RE/BCI/RI  
SIMULATION ENVIRONMENT USING  
EMCoS SOFTWARE







# EMCoS USERS' MEETING 2024

Hyunwoo-Seo

HYUNDAI MOTOR GROUP

South Korea

AUTOMOTIVE SYSTEM EMC





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Dr. Hongseok Kim

CPS TECH | South Korea

VIRTUAL ELECTROMAGNETIC  
DESIGN/TESTING OF ELECTRIFIED  
VEHICLE WITH EMCoS STUDIO

**EMCoS**  
Consulting and Software

**Huwin**

**Huwin**

**EMCoS**  
Consulting and Software





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Dujin Lee

MANDO | South Korea

## THE IMPACT OF HV COMPONENTS ON LV AREA





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Sungha Lee, Dr. Charlie Jeung  
KYUNGSHIN | South Korea

PEEC MODELING/CE ANALYSIS  
AND CORRELATION







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Byungho Cho

SL CORPORATION | South Korea

PEEC MODELING/BCI ANALYSIS  
AND CORRELATION



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Masahiro Yokochi

MITSUBISHI MOTORS | Japan

DEVELOPMENT OF  
SIMULATION TECHNOLOGY  
FROM THE PERSPECTIVE OF  
AUTOMOTIVE OEM







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Dr. Fridon Shubitidze

Thayer School of Engineering at  
Dartmouth | USA

EMCoS STUDIO:  
A PROMISING TOOL FOR  
PLANNING NANO-PARTICLE  
HYPERThERMIA TREATMENTS IN  
CLINICAL SETTINGS





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Dr. Marco Klingler

Independent EMC Expert and  
Consultant | France

IMPLEMENTATION OF NUMERICAL  
SIMULATION ACTIVITIES IN  
AUTOMOTIVE DEVELOPMENT  
PROCESSES USING EMCoS  
SOFTWARE





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GET TOGETHER



