

SMC Smart Hospital Master Class

Shaping the Future Healthcare



Join us at the SMC Smart Hospital Master Class and explore how Samsung Medical Center is driving the future of healthcare through AI and digital innovation. As one of the Top 15 Smart Hospitals globally and the first hospital to achieve HIMSS Stage 7 in four categories, SMC offers a unique opportunity to gain firsthand insights into the strategies and technologies shaping modern healthcare.

Program Highlights

This program is tailored for healthcare leaders and IT professionals looking into spearhead digital transformation in their organizations. Over the course of the event, participants will engage with industry experts through lectures and hospital tours, providing a holistic view of how SMC has successfully integrated new technologies to optimize patient care and operational efficiency.

Who Should Attend

This program is designed for international healthcare executives and digital transformation leaders responsible for planning and implementing cutting-edge healthcare technologies. Whether you're looking to enhance operational efficiency or improve patient care, this workshop will provide you with actionable insights and the tools necessary to lead change within your organization.

* Seating is limited to 30 participants.

* Please note that all lectures and discussions will be conducted in English; interpretation services will not be provided.

What to Expect



1. Expert-Led Sessions

Gain insights from SMC's journey, including topics on AI-driven healthcare solutions, robotic platforms, data integration, and advanced clinical decision support systems.

2. Interactive Discussions

Participate in dynamic Q&A sessions and network with peers to discuss best practices and challenges in implementing digital health strategies.

3. Exclusive guided Tour

Experience SMC's digital infrastructure and see how innovation is applied in real-time clinical settings, including our AI-powered systems and integrated robotic operations.

Program Details

- **Dates:** 23~24 October 2026
- **Location:** B-dong 9F, 115 Irwon-Ro, Gangnam-Gu, Seoul, Samsung Medical Center
- **Program Fee:** \$750 per participant

What Is Included

Day 1

12 expert-led sessions, lunch, and networking dinner

Day 2

Exclusive guided tour

* Please note that accommodation and travel fee are not included

Exclusive Discounts

- Early Bird Discount: 10% discount for registrations completed by August 15, 2026.
- Group & Partner Discount: 10% discount available for:
 - Member institutions of the IHF (International Hospital Federation), iH10 and the SMC Partnership
 - Groups of 5 or more participants from the same organization.

Registration

[Click Here](#) or Scan the QR to sign up for the workshop.

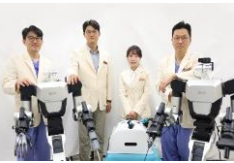


Agenda(Day1)

Session 1	Introduction to SMC
09:00~09:20	Discover the history of SMC's leadership in digital healthcare innovation, including the milestones achieved by its 8,000 employees and 2,000 beds.
Session 2	DX to AX Journey at SMC
09:20~10:00	Learn about SMC's Journey of digital transformation to AI transformation & building smart hospital eco system with DARWIN
Session 3	DARWIN System: The Core Infrastructure for Smart Hospital Innovation
10:00~10:40	Introduction to DARWIN system, SMC's home grown EMR system that serves as the backbone of smart hospital operations.
10:40~11:00	Coffee Break
Session 4	IT Infrastructure
11:00~11:20	A detailed look at the core IT infrastructure and network architecture supporting the high-speed, secure digital ecosystem at SMC.
Session 5	Physical AI and Robotics at SMC
11:20~12:00	Gain deep insights into SMC's latest research and development in Physical AI.
Session 6	Integrated Robotic Operation Platform (IROP)
12:00~12:40	Learn about SMC's IROP, an advanced digital platform that integrates robotic technologies to improve surgical precision and patient care.
12:40~13:40	Lunch
Session 7	Practical AI Application
13:40~14:20	Explore SMC's AI implementation strategy through the lens of data, AI, and application management factors, and learn about successful cases of AI (CDSS) integration.
Session 8	Data Lake, Research Platform and CDSS application
14:20~15:00	Learn how SMC integrates and curates clinical and personal health data to develop and apply CDSS, supporting a virtuous cycle of data-driven healthcare improvements.
Session 9	AI-Enabled Nursing: Designing Change from the Bedside
15:00~15:40	How SMC designs AI from the bedside up - three nurse-led CDSS for fall risk, pressure injury, and delirium, built and refined through five years of frontline collaboration.
15:40~16:00	Coffee Break
Session 10	PRISM(Patient Reported Outcome)
16:00~16:40	Learn about digital innovations in medical records at SMC, including patient-centered care, data standardization, and maximizing the value of healthcare data
Session 11	Data-based Operation and Communication Center (DOCC)
16:40~17:20	Discover the PAN system, a real-time data analytics tool used in outpatient, inpatient, surgery, and examination services to optimize resource management.
Session 12	Wrap-up Discussion
17:20~18:00	
18:00~19:00	Networking Dinner

※ Please understand that the program may be slightly adjusted due to unforeseen circumstances.

Exclusive Guided Tour(Day2)



Innovation Center

- Explore the latest medical technology trends and upcoming healthcare innovations being developed.



ER

- Observe how smart triage systems and real-time data tracking speed up critical patient care.



Smart Inpatient Ward

- See how connected devices and automated systems create a more comfortable and efficient inpatient environment.



Outpatient Lab & Analysis Lab

- Check out the streamlined, automated blood sample collection process and high-speed, automated laboratory equipment that processes and delivers rapid test results.



Robot Control Center

- Watch autonomous robots efficiently transport medical supplies throughout the hospital.



Operating Room

- Examine how the operational efficiency of OR has been improved by the introduction of DOCC

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Lecturer

Welcome Remarks

	Introduction to SMC • Yeyoung Kim, International Relations Department • Manager
	DX to AX Journey at SMC • Meong Hi Son (M.D), Office of Data & Digital Transformation • Chief Medical Information Officer (CMIO) Professor, Department of Emergency Medicine
	DARWIN System: The Core Infrastructure for Smart Hospital Innovation • Jong Soo Choi (Ph.D), Office of Digital Innovation • Chief Technology Officer (CTO)
	IT Infrastructure • Jean Hyoung Lee, Advanced Infrastructure Operations Team • Senior Manager
	Physical AI and Robotics at SMC • Kyuhwan Jung (Ph.D), Smart Healthcare Research Institute • Director, Clinical Robotics and Embodied AI Research Center Professor, Samsung Advanced Institute for Health Sciences and Technology, SKKU
	Integrated Robotic Operation Platform (IROP) • Sunwoo Jeong, Office of Clinical Affairs • Vice President
	Practical AI Application • Wonchul Cha (M.D), Office of Data & Digital Transformation • Chief Information Officer (CIO) Professor, Department of Emergency Medicine
	Data Lake, Research Platform and CDSS application • Soyun Shim (RN), Data Service Team • Manager
	AI-Enabled Nursing: Designing Change from the Bedside • Heejin Kim (RN), Nursing Innovation & Advancement Team (NIAT) • Manager
	PRISM(Patient Reported Outcome) • HyeJung Kim, Health Information Management Team • Senior Manager
	Data-based Operation and Communication Center (DOCC) • Junghwan Moon, Clinical Management and Support Team • Data Scientist

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