

WG5: Innovation for future agriculture - satisfying both food production and environment conservation**[Dec.18] 9:30-16:00**Chair: NOGUCHI Noboru, Vice dean and Professor, Graduate School of Agriculture, Hokkaido University
Sub-chair: HASEBE Akira, Deputy Director, Food and Fertilizer Technology Center For The Asian and Pacific Region (FFTC)**9:30-11:50**

9:30-9:40 Opening and Welcome Remarks	NOGUCHI Noboru, Hokkaido University
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9:40-10:00 Keynote Speech	James Kuffner, CEO, Toyota Research Institute – Advanced Development, Inc. (TRI - AD)
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10:00-10:20 Break

10:20-10:50 Plan of Mission Goal (Food production system that enables both increase in food supply and conservation of the global environment)	NOGUCHI Noboru, Hokkaido University
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10:50-11:10 Presentation New robotic systems and technologies	Thomas P. Low, Director of robotics, SRI International
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11:10-11:30 Presentation Fully automated farming system	KONDO Naoshi, Professor, Graduate School of Agriculture, Kyoto University
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11:30-11:50 Discussion (*Moderator)	*NOGUCHI Noboru, Hokkaido University
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	Thomas P. Low, SRI International
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	KONDO Naoshi, Kyoto University
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11:50-13:20 Break**13:20-16:00**

13:20-13:40 Presentation Utilization of microbial functions	MINAMISAWA Kiwamu, Professor, Graduate School of Life Sciences, Tohoku University
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13:40-14:00 Presentation Integrated management of food loss and waste for food sustainability	Morvarid Bagherzadeh, Analyst, Policies in Trade and Agriculture, Organisation for Economic Co-operation and Development(OECD)
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14:00-14:20 Discussion (*Moderator)	*HASEBE Akira, FFTC
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	MINAMISAWA Kiwamu, Tohoku University
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	Morvarid Bagherzadeh, OECD
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14:20-14:40 Break

	*NOGUCHI Noboru, Hokkaido University
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14:40-15:30 Final Discussion (*Moderator)	HASEBE Akira, FFTC
	Thomas P. Low, SRI International
	KONDO Naoshi, Kyoto University
	MINAMISAWA Kiwamu, Tohoku University
	Morvarid Bagherzadeh, OECD
15:30-16:00 Summary of the WG session	NOGUCHI Noboru, Hokkaido University