

# World Dairy Summit Daejeon 15-19 October 2018

## 1 Opening Day

### Opening Day Programme

- **DATE** : Monday, 15 Oct 2018
- **VENUE** : **Grand Ballroom, 2F, DCC** (Daejeon Convention Center), Daejeon City, South Korea

Opening Ceremony		'Dairy for the Next Generation!'	Speaker
Moderator		Professional MCs	
	09:00-10:00	Registration & Exhibition Area Open	
	10:00-10:40	Opening Ceremony	
	10:40-11:10	Keynote Address "SDGs and Desirable Role of Global Dairy"	Ban Ki-moon (Former UN Secretary General)

World Leader's Forum		Insight and Vision of Future Dairy Industry: Taking into account technologies, the emerging markets and Asian realities	Speaker
Chair		Judith Bryans (President of IDF)	
	11:10-11:15	Introduction	Judith Bryans
	11:15-11:30	Vision of Future Dairy Industry	(President & CEO of Mæil Dairies Co., Ltd) Seon Hee Kim
	11:30-11:45	CEO from EU Dairy Co.	
	11:45-12:00	The Future of Dairy Technologies	(President of Tetra Pak Japan & Korea) Henrik Hauggaard
	12:00-12:15	Insight of Asian realities	(CEO of Mengniu Dairy) Minfang Lu
	12:15-12:30	Q&A	

Lunch 12:30-14:00

IDF Forum		Global Dairy Expertise - Roundtable Forum	Speaker
Chair		Caroline Emond (Director General of IDF)	
	14:00-14:20	The importance of IDF	Caroline Emond
	14:20-14:40	IDF Work Programme	Jean-Marc Delort
	14:40-14:42	IDF achievements 2017-2018 (Video, 2min.)	
	14:42-15:00	Update on Dairy Declaration and Next Steps & Priorities for 2019-2021	Judith Bryans
	15:00-15:30	Q&A	

Break 15:30-16:00

Special Conference		'The next Decade' - Plenary Session	Speaker
Chair		Jean-Marc Delort (Chair of the IDF SPCC)	
	16:00-16:25	[Plenary Speech] Socio-humanistic contemplation on dairy Industry	Kyung-soo Chun (Seoul National Univ.)
	16:25-16:50	Global food market and the role of dairy products	Berhe Tekola(FAO)
	16:50-17:15	Global dairy trend; Who will produce and consume ?	TBD
	17:15-17:40	Challenge to the future ; What to pursue ?	Tara McCarthy (Bord Bia)
	17:40-18:00	Panel Discussion	

## 2 General Programme

### CONFERENCE 1: Dairy Policies and Economics

- **DATE** : Tuesday, 16 Oct 2018
- **VENUE** : DCC (Daejeon Convention Center)
- The conference will deal with four distinct topics in separate sessions each of which will conclude with a panel discussion with the speakers involved.
- Each session consists of 3 presentations each of which will be allocated 25 minutes.

Session	Time	Topics	Speaker
<b>Session 1</b>			
Chair		World Dairy Situation & Overview Gilles Froment (Chair of SCDPE, VP of Pamalat Canada)	
	09:00-09:25	<b>[Annual Report]</b> World Dairy Situation	<b>Jurgen Jansen</b> (Zuivel NL)
	09:25-09:50	How to Manage Price Volatility	<b>John Newton</b> (American Farm Bureau Federation)
	09:50-10:15	How to Manage Price Volatility	<b>Benoit Rouyer</b> (Cniel, FR)
	10:15-10:30	<b>Panel Discussion</b>	
Break			
	10:30-11:00		
<b>Session 2</b>			
Chair		Dairy Policy in Asia; Experiences and Lessons Suk Jin Cho & SC DPE Member	
	11:00-11:25	Korean Dairy Industry; Policy & Vision	Gov. official from Korea
	11:25-11:50	The Dynamism of Asian Dairy Policy : Overview & Beyond	FAO-Dairy Asia Project (from India)
	11:50-12:15	China Dairy Industry ; Experiences & Lessons	<b>Mingyu Yang</b> (Yili Dairy, CN)
	12:15-12:30	<b>Panel Discussion</b>	
Lunch			
	12:30-14:00		
<b>Session 3</b>			
Chair		Perspectives of Trade Agreements Jean-Marc Defort (Chair of SPCC)	
	14:00-14:25	Multilateral and Regional Trade Agreements; Recent evolution and Prospects	TBD
	14:25-14:50	The current international trade environment and impact for the dairy sector	<b>Mike Peterson</b> (New Zealand Special Agricultural Envoy (SATE))
	14:50-15:15	Agricultural Trade Policy in the US	<b>James Mulhern</b> (U.S.'s National Milk Producers Federation)
	15:15-15:30	<b>Panel Discussion</b>	
Break			
	15:30-16:00		
<b>Session 4</b>			
Chair		The Next Market: Market Opportunities in Emerging Region TBD (among the Korean Experts)	
	16:00-16:25	Market Opportunities in Emerging Region(1); Case study of India	<b>Niranjan M Karade</b> (National Dairy Development Board, IN)
	16:25-16:50	Market Opportunities in Emerging Region(2); Case study of South America	<b>Ariel Londinsky</b> (FEPALE)
	16:50-17:15	Market Opportunities in Emerging Region(3); Case study of Africa	<b>Peter M. Ngaruiya</b> (ESADA)
	17:15-17:30	<b>Panel Discussion</b>	

## CONFERENCE 2: Farm Management

- **DATE** : Tuesday, 16 Oct 2018
- **VENUE** : DCC (Daejeon Convention Center)

- The conference will deal with three distinct topics in separate sessions each of which will conclude with a roundtable discussion with the speakers involved.
- Each session consists of 3 presentations each of which will be allocated 25 minutes.

Session	Time	Topics	Speaker
<b>Session 1</b>	<b>09:00-10:30</b>	<b>Dairy animal for the future : Biodiversity, animal breeding, innovation in animals</b>	
Chair		Jong Kyu Ha (Seoul National University) - TBD	
	09:00-09:25	Animal breeding for the future - Design Your Cow	<b>Matthew Shaffer</b> (Datagene, AU)
	09:25-09:50	Cattle feed efficiency	<b>Jean-Louis Peyraud</b> (INRA, FR)
	09:50-10:15	Biosecurity at the farm	
	<b>10:15-10:30</b>	<b>Panel Discussion/Q&amp;A</b>	
Break	10:30-11:00		
<b>Session 2</b>	<b>11:00-12:30</b>	<b>People: Skills for future, successor, and mental welfare</b>	
Chair		TBD	
	11:00-11:25	Labor supply and succession in dairy farming	<b>Yong Suk Son</b> (Korea University, KR)
	11:25-11:50	Enticing the generation into farming	<b>Chris Lewis</b> (Federated Farmers, NZ)
	11:50-12:15	How farmers have developed their businesses in the last 20 years and what they see as the challenges to develop in the future	<b>Saud Pasha</b> (Friesland Campina, Pakistan)
	<b>12:15-12:30</b>	<b>Panel Discussion/Q&amp;A</b>	
Lunch	12:30-14:00		
<b>Session 3</b>	<b>14:00-15:30</b>	<b>Farming for the future</b>	
Chair		Helen Dornom (AU)	
	14:00-14:25	The Future of milk: challenges and opportunities	<b>Martin Scholten</b> (Wageningen Univ, NL)
	14:25-14:50	Farming for the future	<b>Kaila Colbin</b> (Singularity Uni, NZ)
	14:50-15:15	Disruptors: from the farmer's side / from the consumer's side	<b>Koos Coetzee</b> (MPO, SA)
	<b>15:15-15:30</b>	<b>Panel Discussion/Q&amp;A</b>	
Break	15:30-16:00		
<b>Session 4</b>	<b>16:00-17:00</b>	<b>Leading farmer's view: invite leading farmers from the farmer's forum in roundtable</b>	
Chair		Ron Maynard (IDF Board representative of Farmers)	
	16:00-17:30	Farmers have developed their businesses in the last 20 years and what they see as the challenges to develop in the future	(Panels) 1. Andrew Hoggard(NZ) 2. South African Farmers Organization 3. Korean/Asian 4. US Farmer 5. South America 6. China

## CONFERENCE 3: IDF 6<sup>th</sup> Symposium on Science and Technology of Fermented Milk

- **DATE** : Tuesday, 16 Oct 2018
- **VENUE** : DCC (Daejeon Convention Center)
- The conference will deal with four distinct topics in separate sessions each of which will conclude with a panel discussion with the speakers involved.
- Each session consists of 3 presentations each of which will be allocated 25 minutes.

Session	Time	Topics	Speaker
<b>Session 1 09:00-10:30 Innovation in Fermented Dairy for Human Well-being</b>			
Chair		Suk-Ho Choi (Sangji Univ. KR)	
	09:00-09:25	Fermented Foods with the Potential to Fight Disease	<b>Seppo Salminen</b> (University of Turku, FI)
	09:25-09:50	Fermented milk and gut cancer	<b>In Kyu Lee</b> (Catholic Univ St. Mary Hospital, KR)
	09:50-10:15	Importance of probiotics in dairy products and its metagenomic understanding for human health	<b>Juhoon Lee</b> (Kyunghee Univ, KR)
	10:15-10:30	<b>Panel Discussion/Q&amp;A</b>	
Break	10:30-11:00		
<b>Session 2 11:00-12:30 New Developments in Fermented Dairy</b>			
Chair		David Everett (California Polytechnic State Univ., USA) - TBD	
	11:00-11:25	Impact of milk fermentation on the inflammatory, transcriptomics, and metabolomics profiles of human subjects having ingested dairy products	<b>Guy Vergères</b> (Swiss Agroscope, CH)
	11:25-11:50	Do fermented milk products combat disease?	<b>Mansel Griffiths</b> (U Guelph, CA)
	11:50-12:15	Probiotic Yoghurt: the importance of science and regulation for the consumer	<b>Bruno Pot</b> (Yakult Euro, FR)
	12:15-12:30	<b>Panel Discussion/Q&amp;A</b>	
Lunch	12:30-14:00		
<b>Session 3 14:00-15:30 Exploration of Novel Ingredients for Fermented Dairy</b>			
Chair		Sehun Kim (Korea Univ., KR)	
	14:00-14:25	Functional lactic acid bacteria as new ingredients of fermented milks	<b>Sungsik Jang</b> (Yakult Korea)
	14:25-14:50	Milk protein hydrolysate-calcium complexes as a promising ingredient for bone health in dairy products	<b>Xueying Mao</b> (China Agricultural Univ, CN)
	14:50-15:15	Indian Dairy Products – Process and Product Development	<b>DK Sharma</b> (National Dairy Development Board, IN)
	15:15-15:30	<b>Panel Discussion/Q&amp;A</b>	
Break	15:30-16:00		
<b>Session 4 16:00-17:00 Promise &amp; Challenges in the Fermented Dairy</b>			
Chair		Seung-Yong Park (Yonam College, KR)	
	16:00-16:25	Growth Opportunities and Innovations in Yogurts	<b>Kwangsei Lim</b> (Danone Korea, KR)
	16:25-16:50	Beneficial function of Bifidobacterium breve A1 for maintaining cognitive function in Alzheimer's disease model mouse	<b>Yodai Kobayashi</b> (Morinaga Milk, JP)
	16:50-17:15	TBD	<b>Nagendra Shah</b> (Univ. of Hong Kong)
	17:15-17:30	<b>Panel Discussion/Q&amp;A</b>	

## CONFERENCE 4: Marketing

- **DATE** : Wednesday, 17 Oct 2018
- **VENUE** : DCC (Daejeon Convention Center)
- The conference will deal with four distinct topics in separate sessions.
- Each session consists of 3 to 5 presentations each of which will be allocated 25 minutes. Presentation time can be adjusted due to contents of presentation.

Session	Time	Topics	Speaker
<b>Session 1</b>	<b>09:00-11:30</b>	<b>The Context of Dairy Marketing</b>	
Chair		Ida Berg Hauge (Chair of SCM, TBD)	
	09:00-09:05	Introduction	<b>Ida Berg Hauge</b>
	09:05-09:35	Current Food and Dairy Trends	<b>James Caffyn</b> (Gira)
	09:35-10:00	Asian Trend - Korea	<b>Min Kyoung Kim</b> (Konkuk Univ. KR)
	10:00-10:30	Japanese Economy and Market	<b>Yoshiharu Shimizuike</b> (Hokkaido University, JP)
Break	10:30-11:00		
	11:00-11:30	North American Market	<b>Sue Taylor</b> (Leprino)
Lunch	11:30-13:00	IMP Trophy Presentations(1.5 hour)	
<b>Session 2</b>	<b>13:00-14:50</b>	<b>Unlocking the Dairy Opportunity - Part 1: Dairy Product Innovation</b>	<b>Confirmed</b>
Chair		Richard Walton(Meiji)	
	13:00-13:05	Introduction	<b>Richard Walton</b>
	13:05-13:40	Boldly Facing the Future of Dairy	<b>Juliette de Nettancourt</b> (Zenith)
	13:40-14:00	Innovation and the Chile Market	<b>Octavio Oltra</b> (Consorcio Lechero)
	14:00-14:25	Innovation and the Chinese Market	<b>Gritt Smit</b> (Yili Dairy, CN)
	14:25-14:45	Innovation and Japanese Market	<b>Yoko Kaji</b> (Tetra Pak, JP)
	14:45-15:05	Innovation and North American Market	<b>Bill Graves</b> (Dairy Management Inc)
Break	15:05-15:20		
<b>Session 3</b>	<b>15:20-17:00</b>	<b>Unlocking the Dairy Opportunity - Part 2: Dairy Marketing Strategies</b>	
Chair		Zoe Kavanaugh / Mike Johnston (TBD)	
	15:20-15:25	Introduction	Zoë or Mike
	15:25-15:50	European Case Study (AHDB's work on Millennials)	<b>Rebecca Miah</b> (AHDB)
	15:50-16:10	Global Case Study "World Milk Day"	<b>Jerreau Beaudoin</b> (GDP)
	16:10-16:30	Milk vs Plant Based Alternatives	<b>Laurent Damiens</b> (Cniel)
	16:30-17:00	<b>Roundtable Discussion</b>	

## CONFERENCE 5: Food Safety

- **DATE** : Wednesday, 17 Oct 2018
- **VENUE** : DCC (Daejeon Convention Center)

- The conference will deal with three distinct topics in separate sessions each of which will conclude with a panel discussion with the speakers involved. This will be followed by the Experts Forum which will see previous speakers discuss and share their vision for the sector's future with all attendants.
- Each session of 1 & 2 consists of 5 presentations each of which will be allocated 25 minutes.

### "Practical Management for the safety of Dairy Foods, Present and Future"

Keynote Address		Speaker	
	09:00-09:40	Global Cooperation of Codex and other international bodies such as IDF <b>Tom Heilandt (Codex)</b>	
Break	09:40-10:00		
Session	Time	Topics	Speaker
<b>Session 1</b>	<b>10:00-12:30</b>	<b>Challenges of Food Safety and Regulation</b>	
Chair		Prof. Moon-Ki Sohn (Kyounghee Univ.)	
	10:00-10:25	Practical Food Safety Management: Challengers to Food Safety from Both Consumers' Values & the Unintended Consequences from Well-Intentioned Regulations	<b>Justin Bendall (Fonterra, NZ)</b>
	10:25-10:50	Principles for establishing maximum residue limits for veterinary drugs and pesticides and maximum levels for contaminants in dairy foods in the Codex Alimentarius Commission	<b>Yukiko Yamada (MAFF, JP)</b>
	10:50-11:15	The incompatibilities of regional and global limits/method standards (highlighting the relevant joint work of IDF, ISO and AOAC in Codex/JECFAF)	<b>Erik Konings (Nestlé Research Center, CH)</b>
	11:15-11:40	The comparison of Korean and Codex limits for MRLs of chemical residues in dairy foods	<b>Sang-Hee Jeong (Hoseo Univ., KR)</b>
	11:40-12:15	Microbial food cultures (MFC) in fermented dairy foods, Is it time to regulate positively?	<b>Byoung-Yong Kim (ChunLab, KR)</b>
Lunch	12:15-14:00		
<b>Session 2</b>	<b>14:00-16:30</b>	<b>Safety Management, Beyond Food Crisis</b>	
Chair		Dr. Yao SU (China National Research Institute of Food & Fermentation Industries, China)	
	14:00-14:25	Actions taken since the melamine crisis. What has been implemented?	<b>Hong Zhu (Jintan Dairy Group, CN)</b>
	14:25-14:50	Recent food safety accident(Listeria Outbreak in South Africa) : What can be changed in dairy food sector?	<b>François Bourdichon (SCMH Deputy Chair, FR)</b>
	14:50-15:15	Current and potential uses of Phages in milk and dairy sector. Could it be a future in LMIC's dairy industry?	<b>Olivia McAuliffe (Teagasc, IE)</b>
	15:15-15:40	Matrix complexity of dairy foods for chemical analysis : Burden between sample preparation and instrumental analysis	<b>Jang-Hyuk Anh (Cha University, KR)</b>
	15:40-16:15	Nanotechnology and Dairy Food Safety	<b>Andrew Bartholomæus (Univ. of Canberra, AU)</b>
Break	16:15-17:00		
<b>Session 3</b>	<b>17:00-18:00</b>	<b>Food Safety Experts Forum</b>	
Chair		Dr. Harrie van der Bijgaart (Qlip)	
	17:00-18:00	<ul style="list-style-type: none"> <li>- Tom Heilandt, The Codex secretary</li> <li>- Harrie van den Bijgaart (Qlip, Netherlands)</li> <li>- Prof. Moon-Ki Sohn (Kyounghee Univ., Korea)</li> <li>- Erik Konings, SPCC, Switzerland (To be confirmed)</li> <li>- Dr. Yao SU (China NRI of F&amp;FI, China)</li> <li>- Dr. Yukiko Yamada (MAFF, Japan)</li> <li>- François Bourdichon (SCMH Deputy Chair, France)</li> <li>- Prof. Sang-Hee Jeong (Hoseo Univ., Korea)</li> </ul>	

## CONFERENCE 6: Nutrition and Health

● **DATE** : Thursday, 18 Oct 2018

● **VENUE** : **DCC** (Daejeon Convention Center)

- The conference will deal with two distinct topics in separate sessions each of which will conclude with a panel discussion with the speakers involved.
- Each session consists of 3 presentations except joint session each of which will be allocated about 25 minutes.

Session	Time	Topics	Speaker
<b>Session 1</b>	<b>09:00-10:30</b>	<b>Do we really need to eat less dairy product to reduce fat, sugar, and salt intake?</b>	
Chair		Sylvie Turgeon (University Laval, Canada)	
	09:00-09:25	Effect of dairy fat on cardiometabolic health(Tentative)	TBD
	09:25-09:50	Drinking more milk is associated with less salt intake and improves dietary sodium-to-potassium ratio in Japanese diet - A new strategy to prevent cardiovascular diseases	<b>Nagako Okuda</b> (Univ. of Human Arts & Sciences, JP)
	09:50-10:15	The Dairy Matrix of Cheese: Implications for Health	<b>Emma Feeney</b> (Univ. Dublin, IE)
	10:15-10:30	<b>Panel Discussion/Q&amp;A</b>	
<b>Session 2</b>	<b>11:00-12:30</b>	<b>Nutritional differences between milk and alternatives</b>	
Chair		TBD	
	11:00-11:25	Overview of nutritional differences between dairy and alternatives	<b>Ji A Jung</b> (Maeil Dairy Co., KR)
	11:25-11:50	Nutritional approaches against microgravity-mediated muscle atrophy : Differences between animal protein and plant protein	<b>Takesi Nikawa</b> (Tokushima Uni, JP)
	11:50-12:15	Milk vs plant-based drinks	<b>Laurent Damiens</b> (CNIEL, FR)
	12:15-12:30	<b>Panel Discussion/Q&amp;A</b>	
Lunch	12:30-14:00		

## CONFERENCE 7: Environment

- **DATE** : Wednesday, 17 Oct, 2018
- **VENUE** : DCC (Daejeon Convention Center)

- The conference will deal with four distinct topics in separate sessions each of which will conclude with a panel discussion with the speakers involved.
- Each session consists of 3 presentations each of which will be allocated 20 minutes and 5 minutes questions.

Session	Time	Topics	Speaker
<b>Session 1 09:00-10:30 Sustainable dairy from an economic perspective</b>			
Chair		Jaap Petraus (Friesland Campina) & Keynote speaker	
	09:00-09:25	<b>[Keynote Speaker]</b> Society, equity and livestock in Asia: dairy perspective	<b>Katinka DeBalogh</b> (Fao Regional Office in Asia)
	09:25-09:50	Dairy farming & Sustainability: Social/Economic Perspective	<b>Ernesto Reyes</b> (IFCN, DE)
	09:50-10:15	A Dairy Industry Framework to Drive and Communicate Continuous Sustainability Improvement	<b>Michel Donat</b> (Nestle)
	10:15-10:30	<b>Panel Discussion/Q&amp;A</b>	
Break 10:30-11:00			
<b>Session 2 11:00-12:30 Analysis on environmental issues : From farm to table</b>			
Chair		Brian Lindsay (DSF)	
	11:00-11:20	<b>[Keynote Speaker]</b> The LEAP guidance methodology for the dairy sector : challenges and opportunities	<b>Carolyn Opio</b> (AGAL, FAO)
	11:20-11:40	Dairy and biodiversity: Feedback from IDF guidelines	<b>Jaap Petraeus</b> (Friesland Campina)
	11:40-12:00	Water: accounting for its use and impacts by the dairy sector	<b>Shinichi Kume</b> (Kyoto Univ, JP)
	12:00-12:15	Accounting for carbon sequestration : opportunities and challenges	<b>Anna Flysjö</b> (Arla Foods)
	12:15-12:30	<b>Panel Discussion/Q&amp;A</b>	
Lunch 12:30-14:00			
<b>Session 3 14:00-15:30 Environmental pollution reduction approaches: Recent trends and optimal solution</b>			
Chair		Piercristiano Brazzale (IDF SPCC member on Environment)	
	14:00-14:25	On farm - Silvopastoral systems and other sustainable farming practices – example of Embrapa Gado de Corte - Campo Grande	<b>Fabiana Villa Alves</b> (Embrapa, BR)
	14:25-14:50	At processing level: Wastewater management	<b>Pierre Barrucand</b> (Actalia, FR)
	14:50-15:15	Drive Environmental Excellence with Dairies	<b>Lilly Li</b> (Tetrapack, CH)
	15:15-15:30	<b>Panel Discussion/Q&amp;A</b>	
Break 15:30-16:00			
<b>Session 4 16:00-18:00 Intersection of nutritional benefits and environment: Sustainable perspective</b>			
Chair		Ying Wang	
	16:00-16:30	Towards a definition of a healthy and sustainable diet: Is 'eat a less animal and more plant-based diet' a guarantee for decreasing the environmental footprint?	<b>Stephan Peters</b> (NZO, NL)
	16:30-17:00	Quantifying sustainable food waste	<b>Chun-youl Baek</b> (Korea Institute of Industrial Technology)
	17:00-17:30	The complexity of food system	<b>Ying Wang</b> (Innovation Center for US Dairy)
	17:30-18:00	TBD	<b>Tara Garnett</b> (Food Climate Research Network)



## CONFERENCE 8: Animal Health and Welfare

- **DATE : Thursday, 18 Oct 2018**
- **VENUE : DCC (Daejeon Convention Center)**

- The conference will deal with four distinct topics in separate sessions each of which will conclude with a panel discussion with the speakers involved.
- Each session consists of 3 presentations each of which will be allocated 20 minutes with 5 minutes discussion.
- Breaks of 30 mins between session.

Session	Time	Topics	Speaker
<b>Session 1</b>	<b>09:00-10:30</b>	<b>Current preventive policies for major infectious disease of dairy cow</b>	
Chair		Olav Østerås (Chair of IDF SCAHW) & Tim Mackle (DairyNZ)	
	09:00-09:25	Mycoplasma bovis and the new outbreaks	<b>Tim Mackle</b> (CEO of DairyNZ)
	09:25-09:50	A global perspective on the challenges of Paratuberculosis control	<b>David Kelton</b> (Univ of Guelph, CA)
	09:50-10:15	Antibiotic resistance and mechanisms of dairy cattle pathogens	<b>Keun Seok Seo</b> (Mississippi State University, US)
	10:15-10:30	<b>Panel Discussion/Q&amp;A</b>	
Break	10:30-11:00		
<b>Session 2</b>	<b>11:00-12:30</b>	<b>Management of antimicrobial resistance by countries: policies and lessons</b>	
Chair		Yong Ho Park & Elisabeth Erlacher Vindel (OIE)	
	11:00-11:25	OIE strategy on AMR and the Prudent Use of Antimicrobials	<b>Elisabeth Erlacher Vindel</b> (OIE, FR)
	11:25-11:50	Codex Task Force work on AMR	<b>Yong Ho Park</b> (Seoul National University, KR)
	11:50-12:15	Healthy dairy farming with less antimicrobials: evaluation of a 10-year programme in the Netherlands	<b>Tine van Werven</b> (Utrecht University, NL)
	12:15-12:30	<b>Panel Discussion/Q&amp;A</b>	
Lunch	12:30-14:00		
<b>Session 3</b>	<b>14:00-15:30</b>	<b>Economics of animal welfare/health: From various perspectives – Consumer, animal and dairy farmer</b>	
Chair		David Cotton (Bridge Farm, UK)	
	14:00-14:25	Economics of animal health (looking specifically at production diseases)	<b>Henk Hogeveen</b> (Wageningen University)
	14:25-14:50	The consumer value of animal welfare	<b>Susie Stannard</b> (AHDB, UK)
	14:50-15:15	Economics of improved reproductive performance in Thai dairy cow	<b>Chaidate Inchaistri</b> (Chulalongkorn University, Thailand)
	15:15-15:30	<b>Panel Discussion/Q&amp;A</b>	
Break	15:30-16:00		
<b>Session 4</b>	<b>16:00-17:00</b>	<b>Proposal for animal welfare improvement: Policies by countries</b>	
Chair		Jenny Jago (DairyNZ) & Shusuke Sato (Teikyo University of Science)	
	16:00-16:25	How to move forward on the "5 Freedoms model" and the "5 Domains model" on animal welfare from the view of animal handler	<b>Shusuke Sato</b> (Teikyo Univ of Science, JP)
	16:25-16:50	Animal welfare programmes for dairy cattle: Canada perspective	<b>Jeffrey P. Rushen</b> (CA)
	16:50-17:15	The Norwegian animal welfare index. An example of application of OIE and ISO standard using the animal recording system	<b>Olav Østerås</b> (TINE, NO)
	17:15-17:30	<b>Panel Discussion/Q&amp;A</b>	

### 3 Special Session Programme

#### Special Session 1: School Milk

- **DATE : Tuesday, 16 Oct 2018**
- **VENUE : DCC** (Daejeon Convention Center)
- The conference will deal with school milk topics in one session.
- This session consists of 9 presentations each of which will be allocated about 15-20 minutes.

Session	Time	Topics	Speaker
<b>Special Session</b>	<b>14:00-17:30</b>	<b>School Milk Country Policies and Nutritional Effect</b>	
Chair		Kyung-Sook Lim (Suwon Univ.)	
	14:00-14:05	Introduction	CEO of Seoul Milk
	14:05-14:30	School Milk Policy in Korea and Current Situation	<b>Ji-Hyun Yoon</b> (Seoul National Univ., KR)
	14:30-14:55	Example of Chinase	<b>Qian Zhang</b> (National Institute for Nutrition & Health, CN)
	14:55-15:20	Example of New Zealand (or EU or US)	
	15:20-15:45	Turkish Dairy Sector and School Milk Program	<b>Nevzat Artik</b> (IDF Turkey)
	15:45-16:10	School milk and calcium intake in Japan	<b>Miho Nozue</b> (Tokoha Univ., JP)
Break	16:10-16:40		
	16:40-17:00	Contribution of school milk programmes to the nutrition of children worldwide	<b>Judith Bryans</b>
	17:00-17:20	School milk programmes as part of the Asian Dairy Challenge	<b>Dairy Asia</b>
	17:20-17:40	Effect of school milk – a global overview	<b>Rafael Fabrega</b> (Tetral Laval Food for Development)
	17:40-18:00	<b>Q&amp;A and Panel Discussion</b>	

## Special Session 2: ICT Smart Farm

- **DATE** : **Wednesday, 17 Oct 2018**
- **VENUE** : **DCC** (Daejeon Convention Center)
- The conference will deal with two distinct topics in separate sessions each of which will conclude with a panel discussion with the speakers involved.
- Each session consists of 3 presentations each of which will be allocated about 25 minutes.

Session	Time	Topics	Speaker
<b>Session 1 09:00-10:30 Hardware on ICT Farming</b>			
Chair	Frans Kampers		
	09:00-09:25	Robots (Automatic milking and feed systems) - Overview of recently developed robotics for dairy farming	<b>Timo Joosten</b> (Lely International, FR)
	09:25-09:50	Bio-Sensors: the present and the future - Overview of recently developed sensors to gather physiological status of cows	<b>Hen Honig</b> (Agricultural Research Organization Volcani Center, IL)
	09:50-10:15	Internet of things (IoT) and clouding for the smart farming: Integration and Control - How to integrate different types of machines and network and present to the users for decision making and controls	<b>Soichiro Honda</b> (Farm Note, JP)
	10:15-10:30	<b>Panel Discussion/Q&amp;A</b>	
Break	10:30-11:00		
<b>Session 2 11:00-12:30 Software on ICT Farming</b>			
Chair	TBD		
	11:00-11:25	The use of 'Big data' for animal health and welfare	<b>Marion Carrier</b> (CybeleTech, FR)
	11:25-11:50	Modelling and precision farming	<b>Luis Tedeschi</b> (Texas A&M Univ, US)
	11:50-12:15	Integrating data to the decision making process	<b>Laurence Shalloo</b> (Teagasc, IE)
	12:15-12:30	<b>Panel Discussion/Q&amp;A</b>	

## Special Session 3: Fermented Dairy: Health Benefits

- **DATE : Thursday, 18 Oct 2018**
- **VENUE : DCC** (Daejeon Convention Center)
- The conference will deal with various topics in one session which will conclude with a panel discussion with the speakers involved.
- Each session consists of 3 presentations except joint session each of which will be allocated about 25 minutes.

Session	Time	Topics	Speaker
<b>14:00-17:30 Fermented milk: gut microbiom and health promotion</b>			
Chair		Dae Kyung Kang (Dankook University, Korea)	
	14:00-14:25	Interplay between microbiota and gastrointestinal diseases	<b>Jihyun F. Kim</b> (Yonsei University, KR)
	14:25-14:50	Gut microbiota-based therapy for gastrointestinal diseases	<b>Yong Sung Kim</b> (Wonkwang Univ, KR)
	14:50-15:15	Effects of probiotics through brain-gut axis : mental function and stress response	<b>Kensei Nishida</b> (Tokushima Uni, JP)
	15:15-15:40	How to Develop Probiotics as an Evidence-based Functional Medicine?	<b>Sin-Hyeog Im</b> (IBS/POSTEC, KR)
Break	15:40-16:00		
	16:00-16:25	The beneficial impact of cheese on gut health and the gut microbiota	<b>Cristophe Chassard</b> (INRA, FR)
	16:25-16:50	'Kefir – a gut health-promoting fermented dairy food?'	<b>Paul D. Cotter</b> (Teagasc, IE)
	16:50-17:30	<b>Panel Discussion/Q&amp;A</b>	