



IAIC 2022

INTERNATIONAL AGRICULTURE INNOVATION CONFERENCE

FRANCE 2nd to 3rd September 2022

Jointly Organized by:



Friday, 2nd September 2022

CEST SGT

08:50 14:50 **Registration**

09:00 15:00 **Opening Ceremony (20 Mins)**

09:20 15:20 **Keynote Speech (40 Mins)**

Plenary session on V/Wine History

Dr. Michel Hernould | Professor, Department of Environmental Sciences University of Bordeaux, France

Fermentation in the wine and cheese producing region of Bourgogne-Franche Comté, a quest for quality, safety and typicity?

Dr. Yves Waché | Professor, Biotech & Food Microbiology, L'Institut Agro Dijon, France

Theme 1 - The Impact of Climate Change on Agriculture and Resilient Agriculture

10:00 16:00 ***Sustainable Production of Nutritious High Quality Horticultural Crops***

Dr. Amit Dhingra | Professor and Department Head, Department of Horticultural Sciences, Texas A&M University, U.S.A.

Leveraging Collaboration between Government, Academia and Industry for Advancement of Sustainable Agriculture.

Dr. Jacob (Kobi) Inbar | Head of Uzi Wexler Graduate Program in Technological Entrepreneurship, Department of Industrial Engineering and Management, Azrieli College of Engineering, Jerusalem, Israel

Challenges and Opportunities for Climate-Smart Agriculture

Dr. Julie A Howe | Associate Professor, Soil and Crop Science Department, Texas A&M University, U.S.A.

An Innovative Agro-waste Gasification Power Generation Integrated with the Portable Microgrid

Dr. Keng-Tung Wu | Associate Professor, Department of Forestry, National Chung Hsing University, Taiwan

Towards Carbon Neutrality

Dr. Ville Isoherranen | Director & Adj. Professor, School of Engineering and Natural Resources, Oulu University of Applied Sciences (OUAS), Finland

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11:15 17:15 **Panel Discussion (30 Mins)**

Moderator

Dr. Ville Isoherranen

Panelists:

Dr. Amit Dhingra | Dr. Jacob (Kobi) Inbar | Dr. Julie A Howe | Dr. Keng-Tung Wu

11:45 17:45 **Lunch Time**

Theme 2 - The Roles of International Agricultural Organizations in Developing Countries

13:00 19:00 ***Creating a balanced innovation investment portfolio for future agri-food systems***

Mr. David Shearer | Ex-Deputy Head of Secretariat, Commission on Sustainable Agriculture Intensification (CoSAI)

Role of APAARI in Developing Countries of Asia-Pacific Region

Dr. Ravi Khetarpal | Executive Secretary, Asia-Pacific Association of Agricultural Research Institutions (APAARI)

13:30 19:30 **Panel Discussion (30 Mins)**

Moderator

TBC

Panelists:

Mr. David Shearer | Dr. Ravi Khetarpal

Theme 3 - The Output of Intellectual Property Right of Agricultural Science and Technology

14:00 20:00 ***The Output of IP Right of Agricultural Science***

Ms. Joanna Preston | Associate Director, Licensing, University of Alberta Technology Transfer Services, Canada

Communicating the Value of Academic Technology Transfer

Dr. Kenneth Porter | Director, UM Ventures, College Park, University of Maryland, College Park, U.S.A.

Commercialization of Agricultural Technology - Case Study from Taiwan

Dr. Paul S.P. Hsu | Chairman & Founding Partner, Paul Hsu & Partners Co., Ltd., Taiwan

The Equity and Efficiency of Agricultural Development from Intellectual Property Rights

Dr. Cheng Yu-Chao (Jack) | Adjunct Associate Professor, Engineering Leadership, Faculty of Engineering, National University of Singapore (NUS), Singapore

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15:00

21:00

Panel Discussion (30 Mins)

Moderator:

Dr. Kenneth Porter

Panelists:

Ms. Joanna Preston | Dr. Paul S.P. Hsu | Dr. Cheng Yu-Chao (Jack) | Mr. Brad Chin |
Ms. Janie Hurley

Theme 4 - Fermentation Science and the Development Trend of Food Technology in the Future

15:30

21:30

Rethinking Malolactic Fermentation in a New Climate

Dr. Andreea Botezatu | Professor, Assistant Professor & Enology Extension Specialist,
Department of Horticulture, Texas A&M Agrilife, U.S.A.

Technology Convergence and Talent Mobility Cross borders in the Wine Industry

Dr. Chun-Chieh Wang | Assistant Professor, Department of Bio-Industry Communication and
Development, National Taiwan University, Taiwan

The association of fermented dairy foods with reduced risk of non-communicable diseases: the dairy food matrix

Dr. Ian Givens | Professor and Director, Institute for Food, Nutrition and Health, University of
Reading, UK

The Equity and Efficiency of Agricultural Development from Intellectual Property Rights

Dr. Cheng Yu-Chao (Jack) | Adjunct Associate Professor, Engineering Leadership, Faculty of
Engineering, National University of Singapore (NUS), Singapore

16:30

22:30

Panel Discussion (30 Mins)

Moderator:

TBC

Panelists:

Dr. Andreea Botezatu | Dr. Chun-Chieh Wang

Theme 5 - Application of Artificial Intelligence in Agricultural Digital Twins

17:00

23:00

IoT Sensors for Agriculture: Opportunities and Security Implications

Dr. Angelos Stavrou | Professor, Bradley Department of Electrical & Computer Engineering,
Virginia Polytechnic Institute and State University (Virginia Tech), U.S.A.

Digital Twin-Based Architecture for Smart Farming

Dr. Bedir Tekinerdogan | Professor, Information Technology Wageningen University and
Research, U.S.A.

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17:30

23:30

Panel Discussion (30 Mins)

Moderator:

Dr. Bedir Tekinerdogan

Panelists:

Dr. Angelos Stavrou

18:00

00:00

Close Remarks

Saturday, 3rd September 2022

CEST

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08:50

14:50

Registration

09:00

15:00

Welcome Remarks

09:10

15:10

Institute paper presentation (11 Papers) | General paper presentation

11:55

17:55

Panel discussion | General paper presentation Q&A

12:15

18:15

Close Remarks
