

PLANNED PROGRAM

High Moisture Extrusion Cooking

Extrusion of Plant-Based Meats

Presented in Association with HES-SO (University of Western Switzerland)

LIVE-STREAMED SWITZERLAND TIME | 5 & 6 JULY 2021

Program may be subject to minor changes.

DAY ONE

Monday, 5 July 2021

Sponsored by



8:15	Zoom Link Opens
8:30	Introduction & Welcome Overview of the Extrusion Process & HMEC
9:15	Principles of Extruder Configuration
10:00	Morning Break
10:20	Protein Chemistry & Transformations
11:00	Role of Rheology in Extrusion Processing & Product Flow
12:00	Address by Clextral – Day Sponsor
12:15	Lunch
12:45	Ingredients for HMEC
13:25	Dry Separation as an Alternative Process to Obtain Plant-Based Protein Ingredients (Ysamar Rodriguez, HES-SO)
13:50	Optimal Extruder Profiles
14:40	Afternoon Break
15:00	Product Texture Analysis – an Introduction
15:30	Off-flavours Masking & Aromas for Meat Substitutes (Igor Bodnar, Firmenich)
16:00	Preconditioning
16:45	Close Day 1

› **Course Information & Registration - fie.com.au/events/hmec-europe**



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DAY TWO

Tuesday, 6 July 2021

Sponsored by


8:15	Zoom Link Opens
8:30	Review of Day 1
8:45	Analysis of the Heat Transfer in a Long Cooling Die
9:30	Measurement of Raw Material Properties (RVA, PDI)
10:10	Morning Break
10:30	Advanced Rheological Methods: Raw Material Characterisation & Performance (Floor Schreuders, Wageningen University)
11:00	The Design of Cooling Dies for HMEC
11:45	Understanding of the Layer Formation During the Transition to a Solid (Michael Beyrer, HES-SO)
12:15	Lunch
12:45	Optimisation of the HMEC Process
13:30	Extrusion Demonstrations (recorded videos from CFAM – Day Sponsor) <ul style="list-style-type: none">• Basic HMEC• Methods of Modifying/ Controlling Textural Attributes
15:15	Afternoon Break
15:35	Manipulation & Analysis of the Fibrous Structures (Silvia Snel, HES-SO)
16:00	Post-Extrusion Processing Technology for HMEC
16:30	Closing Discussion, Close of Course

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