



# **Program Theme Overview**

## **Engineering Challenges: Bridging Science and Food Innovations**

**Hosahalli S. Ramaswamy**

# Conference Objective

**Explore new paths for innovation, present research and development results, exchange information on new processes and equipment, and discuss food engineering research and development directions for the future.**

# Themes

- Advances in Food Engineering
- Engineering Properties of Foods and Materials Science
- Emerging Technologies and Novel Processes
- Modeling in food engineering
- Sustainable engineering
- Future of food engineering

# **ICEF-11 from Athens, Greece to ICEF-12 Quebec City Canada**

- **Four years in the making**
- **EC – combination of 3 AAFC Scientists and 3 University Professors with extensive food processing and engineering expertise**
- **Initial dilemma – To do it ourselves or have a PCO; then how to select a risk free PCO among the bids?**
- **Selection of PCO was based on how to make it scientifically excellent yet economically viable**
- **Elsevier was the preferred choice; and we are happy with our selection**

# Scientific Program Planning

- **Monday – Thursday 3 and a half day format with Sunday devoted IAEF meeting and opening ceremony was opted**
- **Program to start with a plenary session**
- **Four parallel technical sessions & 3 time slots each day (Mon-Wed) with one time slot on Thu followed by closing ceremony**
- **Generated 40 session slots; each to have a theme & keynote speaker**

# First plenary session: Monday

We start the program with a high profile plenary

***Dr. Paul Singh, University of California, USA***

***On “Educating the food engineer of 2030  
- Challenges and opportunities”***



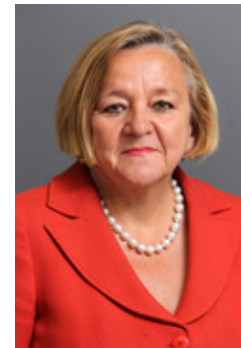
Very important topic to be thinking about if our engineers were to be ready to take challenges of 2030

# Second plenary: Tuesday

## Industry panel discussion

'Convergence on food innovation for health and wealth'

Organized by Laurette Dubé,  
*McGill University, Canada*



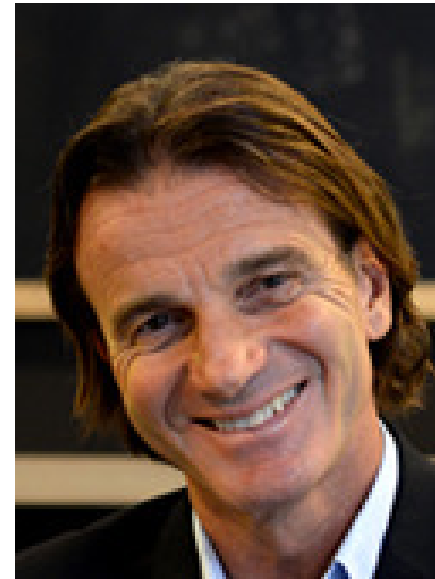
Highlights Importance of Food, Health, Nutrition  
and Wellbeing – **The case of pulses**

# Final plenary session: Wednesday

Highly acclaimed Industrial Speaker

***V. Nannini, Nestec, Switzerland***

- **Innovation strategies  
for a sustainable business**



Very important business oriented presentation



# Special Theme Sessions (7)

**Organized by professional experts**

**Special Session 1: Food Quality Evaluation in the Food Chain** Dr Tara Grauwet, *KU Leuven, Belgium*

**Special Session 2: Irregularities, upsets and breakdowns in food processing** H. Schwartzberg, *University of Massachusetts, USA*

**Special Session 3: Open Innovation & Partnerships: A Platform for Meeting Food Engineering Future Challenges** Dr Sam Saguy, *The Hebrew University of Jerusalem, Israel* and Dr Sudhir Sastry, *The Ohio State University, USA*

# Special Theme Sessions (7)

## Organized by professional experts

**Special Session 4:** Integrating food engineering across Europe  
Sponsored by the **European Academy of Food Engineering, EAFE**). Organizer: *Y. Roos, University College Cork, Ireland*

**Special Session 5:** Food fortification technologies for a globalized world. **Dr L. Diosady, *University of Toronto, Canada***

**Special Session 6:** Future of Food Engineering (Trends!) Prof. Stefan Palzer, *Nestec Ltd, Switzerland* and Brian McKenna, *University College Dublin, Ireland*

**Special Session 7:** The international forum for food engineering.  
IUFOST

# Program Structure

## Technical sessions (34)

All sessions have been coordinated with special focus and spread through out the program.

In addition to volunteer presentation, all technical sessions have keynote speakers – Keynote speakers have been highlighted on the website

We also have several sessions with invited speakers

Look for topics, location and time.

# Scientific Program

**Over 1000 abstracts received**

**Screened by Scientific Committee**

**National and International listed on the website**

**Executive Committee**

**Reviewed scores and selected oral and poster presentations**

**Keynote Speakers**

**Invited Speakers**

**Session Chairs and Co-Chairs**

**Student Volunteers**

**Big thank you everyone involved!**

# Program Structure

**Technical / Special Sessions:** Four parallel sessions

**Monday to Wednesday**

**10:30-12:30; 14:00-15:30; 16:00-17:30**

**Coffee Break/Poster Viewing 15:30-16:00**

**Thursday: 8:30-10:30**

**Coffee break 10:30-11:00**

**Young Engineer Award and Closing Ceremony: 11:00-13:00**

**Technical sessions Co-chair & Speaker Obligations**

**Strict control the timing of speakers and the session.**

**Speakers should respect the allotted time**

**– 30 min for keynote and 15 min for rest.**

# Program Structure

## Registration Desk (Foyer)

<b>Monday 15 June:</b>	<b>07:30-17:30</b>
<b>Tuesday 16 June:</b>	<b>07:30-18:00</b>
<b>Wednesday 17 June:</b>	<b>07:30-17:30</b>
<b>Thursday 18 June:</b>	<b>07:30-13:00</b>

## Plenary

**Monday to Wednesday**

**8:30 -9:30 Room: 200C**

# Program Structure

## Refreshment Breaks & Poster Viewing (Room 200A/B)

Monday – Wednesday

9:30 -10:30; 15:30-16:00

**Lunch:** 13:00-14:30 Monday to Wednesday

## Conference dinner

Wednesday, June 17, Centre des Congrès in room 2000C.

## Speaker Room (Room 201A )

Upload presentations at least 2 h in advance & view

**Volunteers in each session** - Ask them for help, if needed

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# Program Structure

## Poster Sessions : Room 200A/B

### Poster session 1

8.00 Monday, June 15  
18.00 Monday, June 15

### Poster session 2

8.00 Tuesday, June 16  
18.00 Tuesday, June 16

### Poster session 3

8.00 Wednesday, June 17  
18.00 Wednesday, June 1

**A big thank you for the Executive Committee for the countless number of hours of work in the past four years**

**To the scientific national and international committee for helping with review of abstracts and other logistics**

**Student volunteers for helping with the conference**

**All sponsors for their valuable contributions**

**Quebec City Convention Center, Jocelyn in particular, for helping us prepare our professional bid to bring ICEF-12 to Canada and Quebec City**

**McGill and Laval Universities and AAFC for allowing us to be involved with the congress preparations**

**To all speakers, plenary, keynote, invited and voluntary, and poster presenters in advance for making this congress happen.**

**To all of you for your participation, enjoy the conference, and have fun**