

## Location and Hotel Accommodation

The conference will be held at the Hilton North, 3415 Wake Forest Road, Raleigh, North Carolina 27609-7330. The nearest airport is Raleigh-Durham International Airport, where shuttles are available to the hotel for a fee.

The hotel has set aside a block of rooms at reduced rates of \$ 89 for attendees at the conference. Make your room reservations directly with the hotel by phone 919 872 2323, Fax 919 876 0890 and please *identify your attendance at the IFTPS event*. September 8, 2006 is the cut-off date for discounted rates. Guarantee your reservations in order to be assured of the lower room rate.



*Institute For Thermal Processing Specialists*

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### REGISTRATION FEES

	Students	
	Members / Non-members	Members / Non-members
<b>Conference</b>	<b>\$400</b>	<b>\$475</b>
<b>Monday Only</b>	<b>\$275</b>	<b>\$325</b>
<b>Tuesday Only</b>	<b>\$195</b>	<b>\$250</b>

Retired seniors may attend at one-half the conference fee.

Payable to IFTPS by: check drawn in **U.S. Dollars on a U.S. bank**, international money order, **American Express, Visa and Mastercard (fax or mail)** or online at **www.iftps.org**.

*The conference registration fee provides lunch and refreshment breaks on the first day, refreshment breaks on the second day and complimentary refreshments at the reception. Cost of hotel accommodations and other meals are not included.*

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Title \_\_\_\_\_

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## Special Conference

# **Responsibilities of Processing Specialists in the Commercialization of Alternative Processing Technologies**

**October 9<sup>th</sup> and 10<sup>th</sup>, 2006  
Hilton North Raleigh Hotel  
Raleigh, North Carolina**

**Institute for Thermal Processing Specialists  
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## Responsibilities of Processing Specialists in the Commercialization of Alternative Processing Technologies

The Institute For Thermal Processing Specialists is a not-for-profit corporation registered in the State of Virginia organized to serve the needs of those working in the field of thermal processing. The Institute was conceived in 1982 by a group of individuals working in thermal processing to advance professionalism through educational presentations and the development of uniform standards of procedure.

IFTPS is dedicated to fostering education and training for individuals interested in procedures, techniques and regulatory requirements for thermal processing of food and other materials, and for the communication of information between its members

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### Purpose of the Conference

The food industry is on the verge of entering a new era where tomorrow's consumers will enjoy safe, nutritious, high-quality products made shelf stable through alternative processing technologies (APTs). As we move toward increased commercialization of these technologies, questions arise concerning process efficacy and public health safety. The purpose of this conference is to review the state of the art in APTs, identify critical factors and discuss the role of process specialists in ensuring public health safety.

Joining IFTPS in presenting this conference are members of a USDA sponsored research initiative titled *Safety of Foods Processed Using Four Alternative Processing Technologies* (Project No. 2003-51110-02093). This consortium of 17 researchers led by Sudhir Sastry at The Ohio State University is studying the safety aspects of four alternative process technologies: Pulsed Electric Field (PEF), High Pressure Processing (HPP), Ohmic Heating, and Microwave Heating. Their project involves four partner universities (three of them: The Ohio State University, North Carolina State University, and University of California, Davis, which are partners in the Center for Advanced Processing and Packaging Studies, CAPPs; and a fourth, Washington State University), one government laboratory (US Army Natick Soldier Center), and a consortium of CAPPs member and nonmember companies, in consultation with FDA. A key element of their research is to develop in collaboration with industry critical basic knowledge for these products and processes; to find the locations within the food where harmful microorganisms may be most likely to survive, and verify that these organisms are inactivated by the intended process. Dialogue at this conference is expected assist them in achieving that goal.

Planning Committee: Ian Britt, Sudhir Sastry, Bala Balasubramaniam and Pat Dunne

## Conference Program

Conference Program Chair: **Sudhir Sastry**, Ohio State University

Monday, October 9, 2006

7:20 Registration & Refreshments

8:00 Welcome & Introduction

**Sudhir Sastry**, Program Chair

**Ian Britt**, Executive Director

8:15 Overview of APTs and current State of the Art—Patrick Dunne, Natick Labs

9:00 Continuous Flow Microwave Heating—Josip Simunovic, North Carolina State University

10:00 Refreshment Break

10:15 Microwave Sterilization of Packaged Foods—Juming Tang, Washington State University

11:15 Ohmic Heating Technologies—Sudhir Sastry, The Ohio State University

12:15 Lunch

1:15 High Pressure Processing—V.M. (Bala) Balasubramaniam, The Ohio State University

2:15 Microbiological Considerations—Ahmed Yousef, The Ohio State University

3:15 Refreshment Break

3:30 Approaches to Validation—Kurt Wiese, Center for Food & Pharmaceutical Process Safety

4:30 Adjourn

4:45 Reception and Suppliers' Exhibits

Tuesday, October 10, 2006

7:45 Refreshments

8:00 Pulsed Electric Field Processing—Howard Zhang, USDA-ERRC

8:45 FDA's Approach to Process Filing—John Larkin, FDA

9:30 Challenges Facing a Process Specialist—Kailash Purohit, Process Tek

10:15 Refreshment Break

10:30 An information exchange where those attending can identify the information needed to expand commercialization and ensure protect public health safety to an expert panel with representatives from academia, government and industry. Panel will include: Patrick Dunne, Kurt Wiese, Kai Purohit, Philip Richardson (CCFRA), Gustavo Barbosa (WSU), Dennis Heldman (Heldman Associates), Ashim Datta (Cornell University)

12:00 Adjourn

12:30 Optional Tour of N.C. State University pilot plant facilities



NC STATE UNIVERSITY

