



2011 Annual Meeting

March 3, 2011

Drury Plaza Hotel

San Antonio, Texas

IFTPS Mission Statement

IFTPS is an International Organization whose Mission is to:

provide leadership and education for thermal processing specialists to enhance awareness and ensure public health safety by using the knowledge of a diverse membership through communication, networking, research and establishing best practices.

Our Objectives

- Knowledge** {
 1. Assure continuity of core knowledge and expertise in thermal processing
 2. Support the advancement of research in the science of thermal processing
- Guidance** {
 3. Establish and guide industry best practices and applications
- Recognition** {
 4. Acknowledge contributions and expertise in the field of thermal processing
- Strength & Growth** {
 5. Provide global outreach through training and education
 6. Promote and encourage an active and diverse membership

Institute Finances

- IFTPS continues to operate in the black.
- Scholarship and Tung Award funds continue to remain untouched, collecting interest with the goal of making them self-sustaining.
- Our reserve fund ensures long-term stability for the Institute and provides the financial base necessary to move forward on the objectives in our strategic plan.

2009/2010 Fiscal Year

Reviewed and approved financial report for the fiscal year ending August 31, 2010

<input type="checkbox"/> Operating and Reserve	\$ 244,668
<input type="checkbox"/> Scholarship Fund	53,472
<input type="checkbox"/> Tung Award Fund	48,287
<input type="checkbox"/> Net Surplus	21,455

Board Elections

- ❑ Three positions were open for the term of 2011/2014

- ❑ Nominations received by the February 4th deadline
 - ❑ Terry Heyliger
 - ❑ Rosanne Batema
 - ❑ David Anderson

- ❑ Terry, Rosanne and David reappointed

Board Activities

- We continue to focus on implementation of the Institute's 5-year strategic plan**
- Developing strategies to advance training and research
- Identifying training requirements
- Broaden Institute profile
- Evaluation of the current 5-year plan to set future priorities

Professional Practice In Thermal Processing

- A working session was held June 25 - 26, 2009 at the Four Points by Sheraton, Chicago O'Hare Airport
- A primary objective was to define a Process Authority
- Following extensive review by committee, the membership and the Board, we have accepted the following:

IFTPS Definition

Process Authority

An individual, or group, expert in the development, implementation and valuation of thermal and/or aseptic processes. The areas of competency listed below provide a functional description of areas of practice, but are by no means inclusive or exclusive:

- knowledge of microbial risks, product and packaging characteristics, critical factors, commercial equipment, and manufacturing procedures, and their effects on the delivery of a thermal process and maintenance of product sterility;

- knowledge of applicable regulations;
- knowledge of the underlying principles, process calculations, analysis tools, and evaluation techniques related to thermal processing;
- knowledge and understanding of the appropriate design and methods of conducting studies relating to thermal processing of food, such as: heat penetration, temperature and heat transfer distribution studies, thermal-death-time experiments, process validation and verification studies, and applying other scientific methods related to aseptic and/or thermal processing;

- ability to analyze data generated by scientific studies, and evaluate the effectiveness of a thermal processing and packaging system to ensure safe and commercially sterile products;
- experience and ability to identify and evaluate process deviations and spoilage incidents;
- ability to document process establishment methods and results, and communicate thermal process requirements and recommendations.

2010 Pilot Project

- We recognize general lack of research and training in the area of thermal processing
- The University of Guelph offers a non-thesis masters degree in Food Safety and Quality Assurance (FSQA)
- Part of that program is completion of a one semester research project

2010 Pilot Project

- Ian proposed to work with the students for two weeks at the beginning of a term to teach them the basic concepts of thermal processing and undertake hands-on tutorials focused on operating the equipment, data acquisition and data analyses.
- Then be available in an advisory capacity for the remainder of the semester.

2010 Pilot Project

- ❑ IFTPS will supplement their tuition and provide some funds for research expenses.
- ❑ One student undertook a research project this past year.
- ❑ The Board is evaluating next steps in this objective.

Other 2010 Priorities

- Begin to compile a web accessible collection of thermal processing manuscripts
- Revamp website

Institute Membership

- We still have over 400 members on our roster
- Including 68 new members in 2010 and 28 so far this year

3rd European Conference

- October 4 and 5, 2011 in Budapest, Hungary
- Novotel Budapest Centrum Hotel
- Please contact Gary Tucker or Ian Britt if you would like to make a presentation at the meeting.

IFTPS 2011 Awards

Marvin A. Tung Achievement Award

This award is given in recognition of academic, regulatory or industrial achievement in the areas of “preservation and packaging of foods”.



Past Recipients

2001	Dr. Kailash S. Purohit
2002	Dr. Irving J. Pflug
2004	Dr. John E. Manson
2005	Dr. Art Teixeira
2006	Dr. Tom Mulvaney
2007	Dr. John Larkin
2010	Mr. Keith Ito

Assessment Criteria

- Contributions to industry through teaching and mentoring
- Participation and commitment to the mission and goals of IFTPS
- Contributions to the field of food preservation
- Peer affirmation

More Information

- ❑ There is no fixed date for nominations – submissions will be assessed as received
- ❑ The goal of the award is to recognize worthy individuals and therefore it may not be awarded every year
- ❑ The Board urges you to think about those individuals who have impacted your career and consider nominating them for the award

Institute Merit Award

Presented to members that have performed outstanding service and support of the Institute. It is recognition for activities such as: participation as a Program or Committee Chair, conference presentations, development of guidelines, or enlisting new members.



Past Recipients

- **1989**
William Pung
- **1990**
Betsy Lerch
Marvin Tung
Bob Savage
Terry Titus
Terry Heyliger
Dave Park
Gerald Bee
- **1991**
Stuart Redfield
- **1994**
Layne Martin
Art Teixeira
Paul King
Roland Blanchett
- **1995**
Bob Anderson
Dennis Jackson
Ian Britt
Jack Bennett
- **1996**
Dick Holmes
Kai Purohit
- **1997**
Fred Phillips
Rick Kimball
- **1998**
Steve Spinak
Pam Hardt-English
- **1999**
Tom Mulvaney
- **2001**
Rosanne Batema
- **2002**
Len Darsey
- **2004**
Tim Haley
Bill Cornelius
- **2005**
Brendan McHugh
- **2006**
Bob Lane
Gary Tucker
- **2007**
Dave Lesley
Larry Zechman
- **2008**
Swamy Ramaswamy
- **2009**
David Anderson
Mark Deniston
- **2010**
Susan Barger
John Larkin
Kurt Wiese

2011 Institute Merit Award

Nate Anderson

Ferhan Ozadali



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- **2009**
David Anderson
Mark Deniston
- **2010**
Susan Barger
John Larkin
Kurt Wiese
- **2011**
Nate Anderson
Ferhan Ozadali

Student Scholarships

- Awarded annually to students studying food science, food engineering or applied microbiology
 - The Irving J. Pflug undergraduate scholarship in the amount of \$1500
 - IFTPS M.Sc. graduate scholarship in the amount of \$2000
 - IFTPS Ph.D. graduate scholarship in the amount of \$2000

Student Scholarships

- To increase student awareness about IFTPS, we have arranged for the scholarships to be administered through the IFT Foundation.

Student Scholarships

□ 2010/2011 Awards

- The Irving J. Pflug undergraduate scholarship
Aaron Massey, North Carolina State University

- IFTPS graduate scholarships
Suxuan Xu, University of Georgia
Roopesh Syamaladevi, Washington State University

Charles R. Stumbo Student Paper Award

Each year IFTPS invites papers from students presenting researched progress in topics relevant to thermal and/or non-thermal processing of food, pharmaceuticals or biological materials.

Charles R. Stumbo Student Paper Award

- 9 The student author of the award-winning manuscript receives a cash prize of \$1000 and is recognized as a featured speaker at the Institute's annual meeting.
- 9 Free conference and symposium registrations and a \$500 travel allowance are also provided.
- 9 First and second runners up receive prizes of \$500 and \$250, respectively and free conference registration.
- 9 This year we had 8 submissions

Charles R. Stumbo Student Paper

Second Place

Steffen Reisert, Institute of Nano- and Biotechnologies
Towards an intelligent sensor system for the evaluation of aseptic sterilization processes employing hydrogen peroxide vapor

Third Place

Kai Reineke, Berlin University of Technology
The impact of high pressure and temperature on bacterial spores - Inactivation mechanisms of Bacillus subtilis above 500 MPa

Charles R. Stumbo Student Paper

2011 Winner

Hussein Hassan, McGill University

*Biological validation of bi-axial rotation
processing using carrot and meat alginate
fabricated particles*

Committee Reports

Heat Penetration - Dave Anderson

Temperature Distribution – Ben Zhang

Process Calculations - Chris Balestrini

Aseptic – Nate Anderson

Microbiology – Glenn Black

Documents – Rosanne Batema

Ad Hoc System Validation – Tim Haley

IFTPS Standards of Conduct

As a member of the Institute for Thermal Processing Specialists, I pledge myself to:

- Endeavor to improve my professional knowledge of thermal processing through those means available to me such as conferences, workshops, academic institutions, references and experience exchanges with associates.

- Accept my responsibility of complying with appropriate regulations to the best of my knowledge, especially in those areas of activities related to thermal processing on matters where safety of the consumer may be affected.

IFTPS Standards of Conduct

- ❑ Issue no false or misleading statements to the public or the industry.
- ❑ Utilize every opportunity to improve public understanding of the principle of thermal processing and its relation to consumer safety.
- ❑ Maintain high standards of personal conduct.
- ❑ Refrain from the dissemination of any malicious information concerning other members of the Institute.

IFTPS Standards of Conduct

- Neither to engage in, nor countenance any exploitation of the Institute, industry or profession.
- Abide by the By-Laws and Resolutions of the Institute as established and modified by the Board of Directors.

2012 Annual Meeting

- San Antonio early **March 2012**
- Annual Conference
 - Chair: Khalid Abdelrahim, Campbell Soup Company
- Symposium
 - *TBD*
 - Chair: TBD
- Aseptic Processing Symposium
 - Chair: Nate Anderson, FDA

Questions

What would make the Institute more valuable to you?

What challenges does our Industry face today?

Remember this is **Your** Institute

Please share your thoughts with
Committee Chairs, Board Members or the
Executive Director

