

Minnesota IFT January Meeting

Monday, January 16, 2012

Hilton Minneapolis Airport- Mall of America
3800 American Boulevard East, Bloomington MN 55425



How has membrane technology impacted the dairy industry and what new dairy based ingredients will be developed in the future using membrane technology?

Dr. Lloyd Metzger

In the recent past, the development and application of spiral wound membrane processing technology including microfiltration, ultrafiltration, nanofiltration, and reverse osmosis has led to the development of a variety of whey protein based ingredients that are widely utilized by the food industry. These membrane processing technologies are now being used to produce a variety of milk protein based ingredients that are produced from milk. This application of membrane technology to milk processing will result in new dairy based ingredients that can be used by product developers to incorporate dairy protein into new products and applications. This presentation will provide an overview of the proteins in milk and describe how their isolation from milk using membrane technology can provide a variety of new dairy ingredients.

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Speaker Biography

Dr. Lloyd Metzger is an Associate Professor and Alfred Chair in Dairy Education at South Dakota State University. He is the Director of the Midwest Dairy Foods Research Center and the Institute for Dairy Ingredient Processing. He also serves as executive secretary of the North Central Cheese Industry Association.

Metzger obtained his Bachelor and Master of Science degrees in Dairy Manufacturing from South Dakota State University and his doctorate in Food Science from Cornell University. Prior to joining South Dakota State University he was employed as a research scientist at General Mills and as an Assistant and Associative Professor in the Food Science and Nutrition department at the University of Minnesota-St. Paul. His expertise is in the area of cheese and dairy ingredient manufacture and analysis. In 2005, Metzger was recognized by the American Dairy Science Association with the ADSA Foundation Scholar Award and in 2009 he received the American Dairy Science Association Cargill Flavor Systems Food Specialties Award.

MN IFT January Meeting Details

Date

Monday, January
16, 2012

4:00-5:00 PM
ExComm Meeting

5:00-6:00 PM
Social Hour &
Check-in

6:00-7:00 Dinner

7:00-8:00 PM
Speaker

Menu

Salad

Minnesota's Favorite- Mixed greens, cucumber slices, tomato wedges, shaved onion with Champagne vinaigrette

Entrée Choices

Panko Herb Crusted Walleye- with Red Pepper-Remoulade, Garlic-Chive Mashed Potatoes, and Roasted Seasonal Vegetables

Sautéed Walleye- Gluten Free Dusted with Rice Flour and lightly sautéed served with Remoulade Sauce, a wild Rice Blend and Seasonal

Cranberry Chicken - Apple Cranberry Wild Rice Stuffing and Champagne Dijon Cream Sauce encased with a Roasted Chicken Breast served with Roasted Potatoes with Onions and Seasonal Vegetables

Vegetable Napoleon - Grilled Portabella Mushroom with Tomatoes, Squash, Onions, Mozzarella Cheese, and Tomato-Basil Sauce Couscous Blend

Dessert

Champagne Cake with Mango-Raspberry Coulis

Location

Hilton MSP Airport-
Mall of America
3800 American
Boulevard East
Bloomington, MN 55425
952-854-8002

Information Parking Info

Cost

Members/Guests: \$35
Retirees/Displaced
Members: \$15
Students: \$ 5

Reservations for January Meeting

Register on line at www.mnift.org . On-line credit card payment is preferred or you can pay the night of the event if needed. Reservations are due by Friday, January 13, 2012 by 5:00 PM. If you have special dietary needs such as allergies, gluten free etc, have additional questions or need to cancel please call 612-590-8902. Please note this location will NOT allow us to make any changes to the number of meals ordered after registration closes. I do order additional meals so please call if you missed the registration deadline. If you cancel after the deadline you are still responsible for payment but please let us know you will not be attending.

Upcoming Dinner Meetings

- Feb 21, 2012: AACC Joint meeting/Silent Auction - Minneapolis Golf Club
March 19, 2012: Macy Award - Metropolitan
April 16, 2012: Student Night - Location TBD

Do YOU have a submission for the newsletter???

The MN Section IFT Newsletter is distributed to *hundreds* of industry professionals, companies, students, and academia across Minnesota, South Dakota, and Wisconsin, and it's available for YOU to use! We, as editors, welcome articles, news, and announcements for the Newsletter. Simply send your questions and submissions to Bridget McClatchey (BCMClatchey@landolakes.com) and Katie Koecher (kkoecher@umn.edu).

Also, consider signing up for **advertising** for the MN IFT Newsletter this year. The money earned from the ads helps cover some of the newsletter expenses and remaining funds go towards scholarships. Prices vary depending on your ad size (\$25-200 each ad). It's easy and a great way to reach customers! Contact Karen Spartz (usksp@chr-hansen.com) for more info.

January 2012 Chair's Message

Happy 2012!!!

If you are like me, a new year brings a fresh calendar to begin filling and resolutions. I encourage you all to take some time to get all the MN IFT events on your calendar now. Dates and information are posted on the webpage www.mnift.com and please keep checking the site as we will add additional events and information throughout the year. I do hope all of you will resolve to attend one or more of the great events this year. MN IFT dinner meetings and events are a great way to expand your food knowledge while networking with other local industry professionals.

In a few weeks, MN IFT members will receive ballots to vote for the 2012-2013 Section Officers as well as the new and improved Section Bylaws. Now I know that for many of you reading and voting on bylaws may not be exciting, however these bylaws are a key to the structure and ongoing success of our Section. The Executive Committee has invested a great deal of time and energy in reading, debating, and improving this document. None of this would have been possible without the leadership of Norm Greenburg (Bylaws Committee Chair) and his committee - Thank you Norm!

Supporting this document is a new and more robust handbook which will help direct our day to day operations and serve as a guide for all Section officers, committee chairs, and committees. This work is thanks to Brenda Knapp-Polzin (Long Range Planning committee Chair) who led this effort in collaboration with all the Section Chairs/Officers. As part of the bylaws and handbook you will note some reorganization of chairs and committees to better serve our membership and reflect the changing times. As an example, we've added a position to manage our social media efforts. The MN IFT leadership recognizes that as technology evolves, we must embrace these new means of communication and utilize them to better and more efficiently communicate with our membership. As we work to build these platforms, please friend MN Section IFT on facebook.

I look forward to seeing all of you in 2012

Kimberly

The Minnesota Section Newsletter is published monthly, September through April, as a service to members of the MN Section, Institute of Food Technologists. The opinions in this newsletter are the opinions of the contributors and do not necessarily represent the official position of IFT, nor the Section, and should not be interpreted as such.



MINNESOTA SECTION IFT 2011-2012 CALL FOR STUDENT APPLICANTS:

Caldwell Volunteer Service Scholarship Award Graduate, Undergraduate & Travel Scholarships

Each year, the Minnesota Section of IFT awards scholarships to outstanding food science graduate and undergraduate students. These student scholarship awards are given to encourage volunteer service, leadership, academic achievement, professional development and to support research in Food Science. We encourage all students studying food science to apply!

Apply: Download the applications at: <http://www.mnift.org> ; or contact your Food Science Department representative for more information.

Application Deadline: Completed applications (including letters of recommendation) must be submitted by end of day on **Friday March 2, 2012**.

Student Classification: Applicants must have student status within the 2011-2012 academic year. Award winners must be current student members of MN IFT (<http://www.mnift.org/join.php>).

Eligible University Students:

- North Dakota State University
- South Dakota State University
- University of Minnesota
- University of Wisconsin River Falls
- University of Wisconsin Stout

Award Presentation: April 16th, 2012 – Minnesota Section IFT Student Recognition Night, location TBD

Questions? Contact **Dana Dronen**, MN IFT Scholarship Chair
dana.dronen@genmills.com, tel: 763-293-2441

The 7th Annual



Featuring Two Unique Events . . .

Items are unique to the Online Auction or Live Auction. Keep an eye on www.mnift.org to get what you want and help us make this year's goal of raising \$9000.

Part I - Online @ www.mnift.org

Preview Week: February 6-12, 2012

Online Bidding Week: **February 12-17, 2012**

Bidding Opens: Feb 12 at 8:00 PM- Bidding Closes: Feb 17 at 8:00 PM

Part II - Live Silent Auction @ Minneapolis Golf Club

In conjunction with the MNIFT/AACC February Dinner Meeting

February 21, 2012

Bidding Starts: 4:30 PM- Bidding Ends: 6:00 PM

The proceeds from these auction events will be divided equally between the MNIFT General Scholarship Fund and National IFT Scholarship Fund.

THERE IS STILL TIME TO DONATE ITEMS OR SKILLS TO THE AUCTION!!

Please Contact: Joel Reiman @ jdreiman@hormel.com or 507-226-6289

SAVE THE DATE!

MISA-MN IFT Golf Tournament

Date: Monday, May 21st, 2012

Location: Edinburgh USA Golf Course in Brooklyn Park, MN

Time: Shotgun at 1:30pm

Cost: \$125/golfer or discounted rate available for groups of four (includes dinner following the tournament)

Proceeds from the tournament will be donated to a local charity. Don't golf, but would still like to participate? Volunteers are needed for registration, hole contests, etc.

- * Donations are accepted for goody bags and contests
- * Hole sponsorship will be available for an additional charge

If you would like to RSVP or have questions, please contact Lisa Zylkowski at lzylkowski@caravaningredients.com

Minnesota Section IFT - CALL FOR NOMINATIONS

Positions to be filled:

Chair-elect (1)
Administration and Documentation Chair (1)
Membership Chair (1)
Section Representatives (2)

See page 8-9 for complete position descriptions.

POSITION DESCRIPTIONS ARE AS FOLLOWS:

Section Chair-Elect. The Chair-Elect shall:

1. Participate in the development of overall strategy and setting annual section priorities
2. Serve *ex-officio* as Chair of the Program Committee.
3. Perform such other duties as the Chair of the section may delegate
4. Perform the duties of the Chair in the event of the Chair's temporary absence.
5. Succeed immediately to the office of the Chair in the event of the Chair's resignation, disability, or death.
6. Succeed automatically to the office of Chair at the expiration of their respective terms of office.

After the year of serving as chair-elect, the candidate will then assume the office of Chair, whose responsibilities include the following:

The ***Chair*** shall be the Chief Executive Officer of the SECTION, and shall:

1. Participate in the development of overall strategy and setting annual section priorities
2. Preside at all meetings of the SECTION and the Executive Committee
3. With the approval of the Executive Committee, appoint all committees (including student members) and designate the Chair of each and fill any vacancies occurring therein, in accordance with the provisions of these Bylaws.
4. Perform such other duties as are usual pertaining to the office of Chair, and as are assigned in these Bylaws or by the Executive Committee

Administration and Documentation Chair (formerly called Recording Secretary) - term of one year.
The Administration and Documentation Chair shall:

1. Keep a record of the proceedings of the SECTION.
2. Record and distribute the minutes of the meetings of the Executive Committee.
3. Serve as official liaison between the SECTION and the INSTITUTE in all administrative matters.
4. Prepare an Annual Report of the SECTION on forms supplied by the INSTITUTE and submit said report within thirty (30) days after the end of the year.
5. File the required annual nonprofit corporation registration with the office of the Minnesota Secretary of State.

POSITION DESCRIPTIONS ARE AS FOLLOWS:

Membership Chair - term of one year. The Membership Chair shall:

1. Maintain an accurate membership roster of the SECTION.
2. If necessary, prepare ballots for election of Officers and Members-at-Large, or for proposed amendments to the SECTION Bylaws; mail said ballots only to Section Members of the SECTION; and receive said ballots for transmittal to the Tellers Committee. Alternatively to a ballot, the Membership Chair will transmit the appropriate information to the INSTITUTE for inclusion in the electronic balloting process conducted by the INSTITUTE.
3. Notify the INSTITUTE of the results of the election of Officers by the appropriate date if the election was not conducted as part of the INSTITUTE'S electronic ballot.
4. Forward approved amendments to these Bylaws to the INSTITUTE.
5. Keep the INSTITUTE provided with an up-to-date copy of the Bylaws of the SECTION.

Section Representatives - term of two years - two new representatives are needed. The role of Section representatives is to provide:

1. Volunteers with opportunity for development of leadership skills within IFT
2. Section a group of volunteers that can link mission and initiatives within National IFT to the Minnesota Section IFT
3. Section representation at National IFT meetings in the forum of the Annual Meeting and Expo "Town Hall Meeting"
4. Dedicated volunteers to work on critical committees (Program, Nominating, Long Range Planning, Membership, Harold Macy, Education, Scholarship)
5. Attend Monthly Section meetings
6. Attend Minnesota Section Executive Committee meetings - *Voting members of the Executive Committee*
7. Mandatory participation on a committees - representative can select their committee
8. Encouraged to Attend IFT National Annual Meeting & Food Expo and participate in the Town Hall Forum

Call for Volunteers!



Your help is needed to encourage the next generation of Scientists – give your time as a State Science and Engineering Fair Judge or Volunteer!

The Minnesota Academy of Science is hosting its **75th State Science and Engineering Fair**, at the Doubletree Hotel (formerly Sheraton in Bloomington), **Saturday-Tuesday March 17-20** and we need judges and volunteers!

Judges are Scientists with experience, interest and a desire to mentor students in all scientific disciplines and are needed to judge independent student research projects and presentations.

Volunteers help work throughout the four day event.

Sign up online at <http://www.fair.mnmas.org/Volunteers/sfJudges.asp>

Students present their original research and are evaluated on four criteria: the process of science; effectiveness of communication; context of the project and their scope of understanding. Projects and Oral Presentations are presented in ALL scientific disciplines, so no matter your background, you can help out!

Project Competition is on **Monday, March 19**. Oral Presentation Judging occurs on **March 17** (for High School papers) and **March 18** (for Middle School papers). More information can be found online in the registration process.

There are two ways to register:

1. You may either register yourself online at <http://www.fair.mnmas.org/Volunteers/sfJudges.asp>
2. You can email the judge coordinator at Judge@mnmas.org.

Call for Volunteers!



Looking for a great way to get involved with AACC and volunteer in the community? Here's your chance!

The Northwest Section is manning the Loaves & Fishes program in Richfield on January 12th and we need volunteers to cook for and serve the approximately 125 guests who greatly appreciate your hard work!

What: Volunteers are needed!

- 2:30-4:45 Set-up and food preparation
- 4:30-6:30 Serving and clean up

When: Thursday, January 12

Where: Hope Church--7132 Portland Ave S, Richfield, MN 55423

Please respond if you can help! RSVP to Karen Mandl at karen.mandl@genmills.com or [763-293-4156](tel:763-293-4156).
For more information on the Loaves & Fishes program: <http://www.loavesandfishesmn.org/>

DEPARTMENT OF
Food Science and Nutrition

Introduction to Food Chemistry Short-course

Offered:

March 27-29, 2012

Location:

**Continuing Education & Conference Center
University of Minnesota
St. Paul Campus
1890 Buford Ave.
St. Paul, MN 55108
RM: 42 B**

Cost:

**Register on or before March 1, \$775
(\$825 after March 1)**

For further information & registration, visit:

<http://fscn.cfans.umn.edu/outreach/shortcourses/index.htm>

This course is intended to be an introduction to food chemistry for those who are working in any aspect of the food industry but have not had formal training in food chemistry. We will cover basic food chemistry principles and other topics such as the functionality of food ingredients in product development, manufacturing and storage; functional foods or food ingredients; and the primary reactions in foods that lead to changes in nutritional and sensory qualities during processing and storage. Numerous examples will be presented to give the course a very applied nature.

Food Science Club Updates

University of Minnesota

As Fall semester comes to end (whew!), it's a great opportunity to reflect on the past few months of activities. The FScN club was fortunate to have General Mills, Land o' Lakes and Hormel host three of our monthly meetings. During the visits, each company provided insight into their company's philosophies while outlining their professional opportunities for graduates. A huge thank you to each company for your involvement with our club! Other activities we hosted or took part in during the Fall semester were our annual Fall FScN BBQ (early October) and volunteering at the Minnesota Section Institute of Food Technologists Supplier's Expo. Finally, many of the students are busy working to prepare for the various IFTSA competitions held each year. Our club plans to have several teams entering the Disney Product Development, Developing Solutions for Developing Countries, New Product Development, and College bowl competitions. Go Gophers! -Katie Koecher, FScN Club Outreach Coordinator