

FIFTH ANNUAL
Garnet E. Peck Symposium



*Techniques for
Monitoring and
Controlling
Pharmaceutical
Processes*

Thursday • October 25, 2007
8 a.m.-9 p.m. • Holiday Inn Select
City Centre • Lafayette, Indiana

Hosted by
Department of Industrial and Physical Pharmacy
PURDUE
UNIVERSITY

The goal of this symposium is to enable participants to focus on techniques for monitoring and controlling pharmaceutical processes. Participation will increase their general knowledge in the various areas of pharmaceutical material science and pharmaceutical processes to determine areas in which more detailed study would enhance their research.

Learning Objectives - At the completion of this program, the participant will be able to:

- Understand and properly utilize some of the basic statistical concepts for the development and validation of NIR in content uniformity and blend uniformity
- Understand how a materials surface science approach is important to developing a means to characterize, control, stabilize, and optimize powder properties at every step in the manufacturing process
- Discuss the advantages and disadvantages of Raman spectroscopy for crystallization monitoring
- Present the fundamentals of wet granulation and the techniques for monitoring and controlling the processes
- Explain the practical and theoretical limitations of accurate prediction of compact hardness of tablets with nondestructive spectroscopic methods
- Discuss the advantages of using NIR spectroscopy to determine drug content in tablets and the steps needed to develop a NIR method to determine content uniformity



Purdue University is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmaceutical education. This is a continuing education activity of Purdue University, an equal access/ equal opportunity institution. Universal Program Number (UPN): 018-000-07-119-L04-P, 4.5 CPE contact hours (0.45 CEU). You are required to attend the entire conference to receive Continuing Education credit. At the conclusion of the seminar, you are required to complete the CE Registration/Evaluation Form. Purdue Pharmacy Continuing Education will mail a statement of credit to the address listed on the CE Registration within four weeks of the program's completion.

Symposium Schedule

8:15 a.m.	Registration and Continental Breakfast
8:45	Welcome <i>Kenneth R. Morris, Ph.D., Purdue University</i>
9	Practical Statistical Considerations in the Design, Analysis, and Validation for the use of NIR for CU and Blend Uniformity in Solid Dosage Formulations <i>James Pazdan, Senior Principal Statistician, Pharmaceutical and Analytical Development Department, Novartis Institute for Biomedical Research, East Hanover, New Jersey</i>
9:45	Surface Energy and Functionality of Powders <i>M. Teresa Carvajal, Ph.D., Assistant Professor, Industrial and Physical Pharmacy, Purdue University</i>
10:30	Break
11	In-line Spectroscopic Monitoring of Crystallization Processes <i>Lynne S. Taylor, Ph.D., Associate Professor, Industrial and Physical Pharmacy, Purdue University</i>
Noon	Lunch
1 p.m.	Granulation: Preparation, Evaluation, and Control <i>Chetan P. Pujara, Ph.D., Director and Head of Product Formulation Development, Allergan, Inc., Irvine, California</i>
2	Practical and Theoretical Concerns for Spectroscopic Determination of Pharmaceutical Compact Hardness and Density <i>James K. Drennen, III, Ph.D., Associate Dean for Research and Graduate Programs, Mylan School of Pharmacy, Duquesne University</i>
3	Break
3:30	Determination of Drug Content by Near Infrared Spectroscopy – Progress Along the Learning Curve <i>Rodolfo Románach, Ph.D., Professor of Chemistry, University of Puerto Rico – Mayagüez</i>
4:15	Closing <i>Garnet E. Peck, Ph.D., Purdue University</i>
4:30	Reception
6	Dinner

General Information

Registration: Registration begins at 8:15 a.m. at the Holiday Inn Select City Centre, located at 515 South Street in Lafayette, Indiana. The registration fee is \$120 and includes the symposium materials, continental breakfast, and lunch. Dinner is \$30 per person. You may bring a guest for the same price. The registration fee for Purdue students is \$35, and for Purdue faculty, the fee is \$65. You may register online at www.conf.purdue.edu/Peck

Refund Policy: A full refund will be granted if a request is received in writing by October 11, 2007. Purdue University is not responsible for costs incurred due to cancellation.

Accommodations: Participants are responsible for their own hotel reservations. A block of rooms has been reserved at the Holiday Inn Select City Centre. Please mention this conference when making reservations. Call 800-423-1137 or 765-423-1000 or visit www.hiscc.com to reserve your room. Reservation deadline is September 25. (Purdue University's homecoming is October 27, so make your reservations early.)

For more information:

For symposium content information, contact:

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For registration information, contact:

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**For online registration, visit:
www.conf.purdue.edu/Peck**

REGISTRATION FORM

4784-07YR-NJS

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- I require auxiliary aids or services due to a disability. Please contact me.

Fees

- Full fee \$120
 Purdue Students \$35
 Purdue Faculty \$65
 _____ dinner(s) at \$30 each

Total Enclosed \$ _____

Payment Method Payment is due upon submission of registration.

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