

The Peoria Chapter of ASM International

September 12, 2005 at the
Packard Plaza / 4:30 – 8:00 pm

The Peoria Chapter of ASM International
and American Foundry Society

Present

THIN WALL CASTINGS – PAST CHAIRS NIGHT

Doru M. Stefanescu – The Ohio State University

Dr. Stefanescu has been involved in a research project performed under a DOE contract. The strategic objective of the project was to keep the domestic cast iron industry internationally competitive while forming it into a leader in thin-wall iron casting technology.

Monday evening's presentation will cover the following topics:

- The driving force for lighter castings and strategies for material selection
- Development of light-weight ductile iron castings - The TWIG program
 - Test-casting design
 - Factors affecting microshrinkage formation
 - Effect of surface roughness on static mechanical properties
- Penetration of light-weight DI in industry

About Our Speaker...



Professor Doru M. Stefanescu obtained his Ph.D. in Metallurgical Engineering at the University Politehnica Bucharest, Romania in 1973. In 1970 he was trained at Ford Motor Company in Dagenham, England. In 1980 he served as a Visiting Professor at the University of Wisconsin, Madison, and then joined the University of Alabama at the end of 1980. He was promoted to Professor in 1984, and then was honored with the title of Distinguished University Research Professor by the Board of Trustees of The University of Alabama in 1987 and then that of Cudworth Professor of Engineering in 2002. In August of 2005 he retired from the University of Alabama and joined the Material Science and Engineering Department at the Ohio State University, where he serves as Foundry Educational Foundation Key Professor.

He has received numerous awards including the AFS Director's Award in 1999 (for his work with FEF students), the AFS Award for Scientific Merit, and three best paper awards at AFS national conventions.

Dr. Stefanescu is a Fellow of the American Society for Metals International and has received two Honorary Doctor degrees from foreign universities. His publication record comprises 339 publications including 28 invited papers, 29 books and chapters in books, 59 refereed journal publications, 53 AFS Transactions papers, and 12 patents.

SEASON TICKETS

Save on meeting reservations by purchasing a season ticket. The cost is \$50 for four meetings. Take advantage of this great opportunity to enjoy the monthly dinners and speakers at an affordable price. Call Patrick Zhao at (309)-578-4581 or email Zhao_Patrick@cat.com to order.

ARE AVAILABLE!

Congratulations Peoria ASM/AFS!!!

Our 2004-2005 chapter won the
"Chapter of Excellence" award

For Reservations Please Call: Patrick Zhao
(309)-578-4581 or email Zhao_Patrick@cat.com
Reservations are \$15.00

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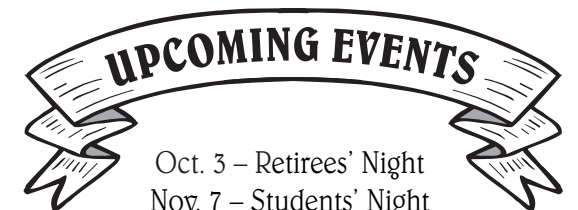
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Dianna Barrett at (309)-675-3155
or Barrett_Dianna_L@cat.com



Oct. 3 – Retirees' Night
Nov. 7 – Students' Night
Dec. 10 – Annual AFS/ASM Christmas Party

ASM INTERNATIONAL

9639 Kinsman Rd.
Materials Park, OH 44073
September 12, 2005, Issue No. 8
Published Monthly