



The Macrogram

Hartford Chapter of the ASM International
Build on our Strengths - Leverage our Diversity - Network to Succeed

MONTHLY MEETING – TOPIC

November 8, 2005

Theme: **Benefits of Internships to Students and Companies**

Topic: **Lessons on the Road to Plant Manager and Beyond**

Speaker: Matthew Diem
Plant Manager
Bodycote Thermal Processing - Berlin
(<http://htna.bodycote.com>)

Coffee Talk: **Interning in a Federal Research Lab**
Kevin Rankin, 2005 ASM Hartford
Scholarship Recipient

Directions: **Rein's Deli**, 435 Hartford Turnpike (Route 30), Vernon, CT, I-84 Exit 65 (860) 875-1344.

From Hartford and West:

Take I-84 East towards Boston. Take the double exit, Exit 64-65, Rt. 30 & 83, Vernon Center. Bear right as the ramp divides for Exit 65, Rt. 30. At light at end of ramp turn right. Proceed to 3rd light and turn left into Shops at 30 Plaza.

From Boston and East:

Take I-84 West Towards Hartford. Take Exit 65, Rt. 30, Vernon Center. Turn right at the end of ramp. Make left at first light into Shops at 30 Plaza.

Agenda:

Cocktails: 5:30-6:30 PM
Coffee Talk: 6:30 PM
Dinner: 6:45-7:30 PM
Program: 7:45-8:30 PM

Program Charges:

Regular Members - \$25.00
Retirees - \$15.00
Material Advantage
Students - \$5.00

Technical Chairperson: Roger LaChance

Reservations: Call Shirley at Dynamic Metals (860) 583-3336 by noon November 4th. **Thanks!**
Materials Advantage Students, Contact Rampi 486-4102

Theme:

THE ASM MATERIALS SCIENCE AND ENGINEERING INTERNSHIP PROGRAM is designed to introduce students interested in a materials science and engineering career to materials applications in the world and to offer practical experience in the industry's day-to-day operations. Our goal is to collaboratively create an individualized experience for all interns, matching the specific needs of the various companies with the talents, skills, and objectives of individuals new to the materials field. We believe strongly in developing a mutually beneficial relationship: interns gain experience conducting real-world activities in concert

with a staff mentor, and the company receives assistance with key projects and encourages interns to pursue a materials career. Internships can be a win-win opportunity for both the student and the company sponsoring them.

ASM Members, please help the future of the materials industry by asking your company to sponsor an Internship for a Materials and Science Engineering undergraduate.

In time, all UConn MSE undergraduates, completing their sophomore or junior year, and seeking a summer internship, can have one through Connecticut companies networking with Materials Science and Engineering through this ASM Hartford Chapter initiative. Meetings, similar to this one, will provide an informal way for students and potential sponsoring companies to get to know each other. The networking hour before dinner will be interesting.

Bios & Abstracts:

Kevin Rankin is an undergraduate in Materials Science and Engineering at UConn. He is currently investigating Pulsed Laser Deposition (PLD) of Thin Films, a relatively new science that contains exciting research possibilities for practical applications at the Institute of Materials Science. This past summer, Kevin held a summer internship with the Army Research Labs in Adelphi, MD. There he gained even more extensive training in PLD technology. He will talk on his internship experience. Kevin will graduate in May 2007.

Matthew Diem is one of Bodycote's youngest Plant Managers. His career path, after graduation from WPI with a BS in Mechanical Engineering in 2000, has provided many interesting and challenging opportunities in thermal processing in Europe and the United States. His path started as an "Industrial Intern" for Bodycote IMT in Andover, MA under the auspices of WPI's Metal Processing Institute while working toward a MS in Manufacturing Engineering. Upon graduation in 2002, he was hired as a R&D Project engineer at Boycote IMT and sent to Bodycote Haag-Winden in Germany to help implement the process on which he worked during his internship. While in Europe he traveled extensively for the company, visiting, and learning from, HIP plants in Belgium, England, Sweden and of course Germany. After 18 months in Europe, he returned to the US. Matthew will share stories of some of these challenges, some of the places where he has worked and some of people who guided him.