



ASM - Atlanta

Newsletter of the Atlanta Chapter of ASM International
<http://www.asm-atlanta.org/> Normally Meets 3rd Tuesday
December, 2004 Volume 11 Number 3

Annual ASM Holiday Party
December 14, 2004
Starting with Social at 6:00 PM
Dinner Served at 6:30 PM

at the Sheraton Galleria
2844 Cobb Pkwy SW
Atlanta GA 30339

**"THE NATURE OF ART AS AN INVESTMENT -
EXPLORING THE RESTORATION PROCESS"**

presented by

Steve Lance
Art Director,
Avery Fine Art and Framing
Miami Circle, Atlanta, GA

This is the annual Holiday Party where we invite our spouses (or special friends) for an evening of festive enjoyment. This year we have an unusual program for a technical society such as ASM. It

concerns art! However, the very nature of the speaker's work involves a deep understanding of special categories of materials and their age and environment induced changes over many centuries.

This looks like a wonderful opportunity for each of us to learn about the materials of art works and to ask a lot of questions about the art we see either at our museums here in Atlanta or when we visit museums in places like Italy and other countries. So, please show this notice to your spouse and other friends and make your reservations.

Tuesday Evening, December 14, 2004

**Sheraton Suites Galleria
2844 Cobb Parkway SW
Atlanta, GA**

The phone number for the Sheraton is: 770-955-3900.

**Social: 6:00 PM
Dinner: 6:30 PM
Program: 7:30 PM**

The cost of meal will still be \$20.00 for professional ASM members and guests and \$10 for students.

Reservations: RSVP - by Friday, December 10, to **Marlene White**, Tel: (404) 894-2850, Fax: (404) 294-9140, marlene.white@mse.gatech.edu

Location: Sheraton Galleria, 2844 Cobb Parkway, SE Atlanta, GA 30339. **Directions:** From Hwys. 75, 85, 20: Take I-285 to the I-75/I-285 Junction; Exit Hwy. 41/Cobb Pkwy.

The **Sheraton Suites Galleria** is located directly across from the **Cobb Galleria Centre** and adjacent to the **Cumberland Mall**. From South take Interstate 75 North to Interstate 285 West. Exit onto Cobb Parkway/state Highway 41 Exit 259B. Turn left at the light. From East take Interstate 20 to Interstate 75 North and proceed to Interstate 285 West. Exit onto Cobb Parkway/state Highway 41 at Exit 259B and turn left at the light. The

hotel is immediately on your right side.

About our Speaker and his Topic: Steve Lance Associated with the International Society of Appraisers

Engineering and Industrial Design, Purdue University, 1965-1968
Honors, Western Oregon University, Fine Art, Mathematics 1983-1986
Honors US Army 1969-1971, Bronze Star

Earlier, **Mr. Lance** worked in the construction industry, including being Project Manager for the structural aspects of a 350 million dollar luxury hotel on Manele Bay, Lanai Hawaii. He notes that this position satisfied his need to build and gave him the scenic inspiration to begin pursuing, on a full time basis, his greatest passion - Art.

After closing his gallery in Hawaii, Mr. Lance moved back to his native Southeast and helped to establish the Studio where he is currently the Art Director. In this position, he has worked on hundreds of antique European, American paintings and frames dating from the 16th through 20th centuries, with but two dissatisfied customers, an important topic for discussion!

His career highlights include work with scores of antique works such as Caravaggio, Corot, Courbet, Sisley, Monet, Delacroix, Rousseau and Jan Van Eyck. In 1996, he appraised the entire collection of the Woodruff Library - Emory University. In 2004, Mr. Lance was the first independent American painter to have a solo exhibition in Galleria Donatello, Florence, Italy, and to exhibit with Il Gruppo Donatello - Italy's oldest art society at their annual exhibition on the Piazza Donatello.

His presentation for our Christmas dinner meeting will include the following points:

- * The nature of Art as an investment
- * The nature of damage to Art in relation to its value
- * The benefits and possible pitfalls of restoration
- * The long-term conservation and presentation of Artwork.

Mr. Lance lists a couple of web site references for discussion: www.florence2004.com and www.antiqueart.com.

A holiday message from The ASM Atlanta Chapter Chairman – George Kremer:

Once again we are in the midst of the Christmas season. For most of us this is a season of joy and eager anticipation for the coming year. During this time, we attend holiday events with family and reacquaint ourselves with old friends. This is also a season of appreciation for all the great things the Atlanta Chapter has accomplished during the past year. I am proud to be chapter chairman and honored to have dedicated and talented professionals on our executive committee. I sincerely hope that you and your families have a great holiday season. By all means – stay safe and please attend our interesting meetings and tours in the upcoming year.

George Kremer – Chairman
ASM Atlanta Chapter 2004 - 2005

Position Wanted

A post doc, currently with the school of materials science and engineering at Clemson University, is faced with funding running out. He is now looking for a job. His resume indicates a strong experimental background with work on microstructure evolution, phase transformation in different alloys and how these affect their mechanical behavior. Six years of experience using various characterization techniques, OM, SEM, TEM, XRD, DTA, DSC, etc. Has also done work on production and characterization of "nano"-grained structures.

Potential employers please contact ASM Atlanta Newsletter Editor, **Bill Livesay** at livesay3@bellsouth.net, for the identity and CV of the gentleman seeking the new position.

Position Available **Engineering and Quality Manager**

The Company

The company (\$215M) supplies electrical goods to customers near and far. The company makes electrical contacts, contact materials, and related semi-finished products such as micro profiles, strips, tapes, and wires. It also offers electromechanical components, clad metals, and mold tooling, as well as precious metal refining services. The company draws customers from a variety of markets, including automobiles, consumer electronics, industrial machinery, power generation, and telecom equipment. The organization has operations in Asia, Europe, and North America, is one of the two main units of a large components maker.

The Position

Responsibilities include Process Development, Product Development, and Product Launch. Needs to be able to take product from launch to full production in time-compressed, non-ideal situations. Must be able to design manufacturing processes that deal with sophisticated metal combinations. Must be experienced in yield improvement on a variety of metal forming, joining operations. Will report to the Plant Manager.

Experience Required

A minimum of 8 years experience in industry using sophisticated bonding techniques for thermostat or electrical switch metals. Patent experience helpful. Should have knowledge of metals, properties and behavior in bonding, welding and silvering. Experience with lean processes, kaizen activities, cycle time reduction, Tack time calculations and continuous improvement very helpful. Previous management experience is required. Must be a contributor who is comfortable inspiring change and improvement. Should have an entrepreneurial attitude.

The successful candidate will have demonstrated an ability to move with a sense of urgency, willingness to try new ideas and wisdom to back away from trials that don't work. For the leader there are tremendous opportunities.

Metallurgy degree preferred. Metals Engineering OK provided augmented by practical Manufacturing Engineering experience as described above.

Contact: **Sabine Fischer**
Director Executive Search
Stiles Associates
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New London, NH 03257
<http://www.leanexecs.com>
603-526-6566

Instrumentation Event in the Atlanta Area

National Instruments invites you to see a record number of new products at a big instrumentation event in Atlanta, GA, The **NI Technical Symposium** on Thursday, December 9, 2004.

This complimentary one-day conference presented by National Instruments and Tektronix features sixteen cutting-edge test, measurement, and control sessions targeted to both new and advanced users including hands-on sessions, demonstrations of cutting-edge technologies, emerging industry trends, and innovative approaches to technical challenges.

At the symposium, NI product developers and experts share new NI product developments such as:

- M Series and USB multifunction data acquisition devices - the next generation of DAQ
- LabVIEW Real-Time and LabVIEW FPGA
- High-performance PXI test instruments, including the 200 MS/s PXI digitizer and arbitrary waveform generator
- SignalExpress - an interactive and exploratory measurement environment for acquiring, comparing, automating, and storing electronic measurements for electronic design
- CompactRIO - the embedded platform for high performance industrial control and datalogging applications

Contact: **Kyle Ulrich** at kyle.ulrich@ni.com for additional information and registration details.

Atlanta Chapter's ASM Bell??

This note is addressed to either long time members of the Atlanta ASM chapter or have friends who were members long ago. The Chapter Council of ASM International is encouraging a revival of interest in use of the ASM Chapter Bells in meetings, etc. Some of us recall use of the Atlanta chapter's bell - but from times of more than a decade ago. Does anyone know where the bell might reside at this time? Perhaps it has long been forgotten and stored in a previous chapter officer's closet or basement somewhere. If anyone has any recollections or information that might help us track down the location of the bell please let us know by contacting your ASM-Atlanta Newsletter Editor, Bill Livesay at livesay3@bellsouth.net or 770-664-8742. Thanks.

ASM Materials Camp

The ASM Materials Camp is an outstanding opportunity for bright young High School Students to get a good look at what a possible career in Materials might involve. The Atlanta Chapter has successfully placed a student in the camp every year but one, and we didn't have an applicant that year. Do you have a daughter or son who might be interested and qualify? Or do you know of some young person who might be interested? Or do you know a HS teacher or principal who might spread the word? Time is short. Let's work together to find an outstanding youth from the Atlanta area to send to Materials Camp this year!

ASM Materials Camp Program Overview:

This weeklong academic camp features highly interactive, lab-based activity tailored to individual student interest areas. Evening social activities include a materials "sub-theme" (i.e.; tours of local attractions and industry tours, etc.). Students "graduate" during a special event with chapter, ASM, and Foundation leaders, where they have the opportunity to meet and network, and explore career options.

Materials Camp begins with a welcome reception and dinner, where students, faculty and staff get acquainted. Second day opened with an introduction to materials of today and tomorrow, along with a basic overview of materials failures and why/how they occur. The students are then organized into small groups and teamed with a Volunteer Faculty "Materials Mentor" who works with them throughout the week. A variety of experiments and lab activities such as metallography, mechanical testing, light microscopy, fractography, scanning electron microscopy, image analysis, and chemical analysis are used.

The camp concludes with the teams presenting a summary of their findings, including recommended corrective action to members of the ASM Foundation Board, ASM International Board, the entire Materials Mentor Faculty, and their student peers. The program ends with graduation and a dinner.

Target Audience

Students entering their **junior** or **senior** year in high school.
Highly motivated inquisitive learners with math and science aptitude.

Cost

Students receive free housing, meals, tuition, entertainment and knowledge.

To Apply

Please send a note to your ASM-Atlanta Newsletter Editor, **Bill Livesay** at livesay3@bellsouth.net or call 770-664-8742. He will put you in contact with the appropriate Chapter Officer for processing your application. Please understand that the application deadline to ASM International is January 31, 2005, so we need to hear from applicants ASAP in order to begin the process and then have the materials submitted to ASM HQ on time. Required information includes school transcript, a maximum of two letters of recommendation along with a Personal essay (100 words or more).

Selection Of Finalists

This is a competitive application process. Students must have basic knowledge of algebra, chemistry, and physics and describe why they want to learn more about engineering and materials science as a possible college major and career. Experienced practicing engineers review each application to select the "best and brightest," highly motivated students who have not yet made a firm decision about a college major or career.

Students must have a strong interest in applied science. Prior participation in science fairs is helpful, but not required.

Features of ASM-Atlanta
The Newsletter of the Atlanta Chapter of ASM International

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- Member News
 - Special Events, Awards & Honors.
 - New Members
 - Deaths
 - Transitions
- ASM International News
- Advertisements
- Outreach (ASM members to Schools, Scouts, etc.)

Send information, articles or suggestions to:

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