

SEPTEMBER 2006 MEETING Opening Night

WHEN:

Thursday, September 28th

SCHEDULE:

5:30 p.m. Social Hour

6:00 p.m. Dinner Choices:

Appetizer: Spinach and Artichoke Dip,
Chicken Quesadilla

Entree: Enchilada de la Paz

or

Grilled Citrus Chicken

Dessert: Margarita Lime Cheesecake +
coffee

7:00 p.m. Speaker Presentation:

Dr. Patrick B. Berbon

WHERE:

Rockin' Baja Lobster (Old Town)

3890 Twiggs St.

San Diego, CA 92110

(619) 260-0305

COST:

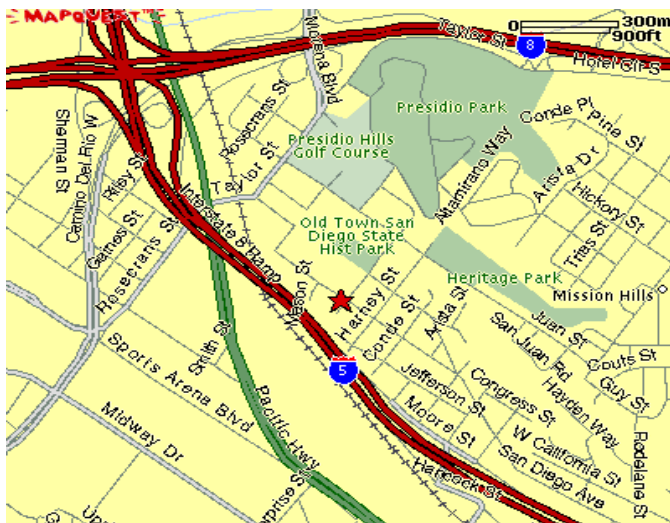
ASM Members - \$20

Non-members - \$25

Students - \$15

TO REGISTER:

Call ASM Info Line at (619) 685-8848, or send an e-mail to sandiego@asmchapters.org.



DR. PATRICK B. BERBON of Nanotechnology

PRESENTS:

Nanocrystalline Materials for Structural Applications

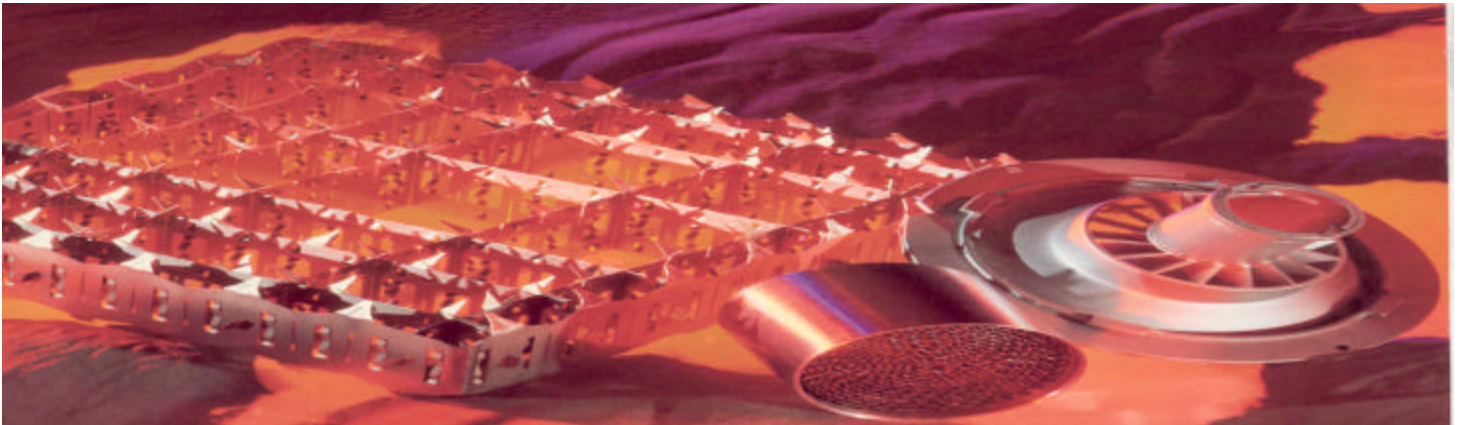
Abstract

Nano Materials and its fundamentals will be discussed in this session. A nano technology known as Cryogenic Milling (CM) is used to produce Metal Matrix Nano Composites, which have the potential to be used in many structural applications. The Cryogenic Milling (CM) technology as applied to metallic powders is a powder metallurgy (P/M) technique in which the starting material is mechanically milled in slurry of liquid nitrogen. The CM technology was initially developed within the Exxon Corporate research laboratory, and subsequently optimized at The Boeing Company, the University of California at Davis, and the Rockwell Scientific Company (RSC).

Bio

Dr. Berbon holds a Ph.D. in Material Science (1998) from the University of Southern California, Los Angeles, California, a M.S. in Engineering (1994) from the Ecole Centrale de Lyon (ECL), Lyon, France, and Tsinghua University, Beijing, PR China, and a B.S. in Engineering (1993) from ECL. Dr. Berbon is President of California Nanotechnologies, Inc. He spun out DDG Cryogenics from Rockwell Scientific Company (RSC) in 2005. Prior to this, he worked as a research scientist at RSC since May 1998. He has most recently worked on Cryogenic Milling of aluminum-based and nickel-based Metal Matrix Nano-Composite (MMNC) alloys. He has extensive experience with powder metallurgy processes, including mechanical milling, powder consolidation, powder handling, vacuum equipment, and metals secondary processes, including forging, extrusion, and Equal-Channel Angular extrusion. He also has extensive experience in microstructural characterization techniques. Dr. Berbon has authored or co-authored more than 25 publications. He is Chairman of the Orange Coast chapter of ASM and Vice-Chairman of the San Fernando Valley Engineers Council

The San Diego Chapter is proud to announce that it has once again achieved 5 star status for the 2005-2006 Chapter Year. Thanks to all who helped make it happen. Let's do it again!



ASM SD Chapter Fall Seminar

Advanced Brazing Technologies for 21st Century

October 27, 2006 at San Diego Down Town Marriott Hotel

ASM SD Chapter proudly presents “Advanced Brazing Technologies for 21st Century” for the 2006 Fall Seminar on October 27, 2006 at Down Town Marriot Hotel, San Diego, California.

5 different companies related to advanced Brazing process will talk about new and advanced Brazing materials, process, technology and equipment. Topics include Ceramic to Metal, Ceramic to Ceramic Joints, Active Metal Brazing, Gold Brazing, Screen Printing Technology in Brazing, Metallic Glass as Brazing Materials. Companies like Morgan Advanced Ceramics (Wesgo Metals), Wall Colmonoy, Hitachi Metals (Met Glass Inc.) will send their best scientist and engineer to speak in this event.

A detail agenda and event cost will be published soon. Please try to make your early reservation by sending e-mail to sandiego@asmchapters.org or contacting ASM info line @ 619-685-8848. Your early response is appreciated by September 30, 2006.

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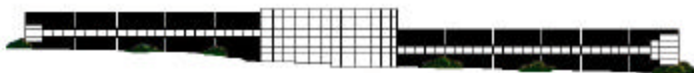


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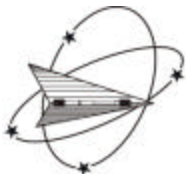
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