



The Materials Information Society

LONG ISLAND CHAPTER

METALLAGRAM



Volume 53 Issue 6

Chapter website: <http://www.matscieng.sunysb.edu/asm/>

Past Chairs Night

Next Meeting Wednesday, February 22, 2012

Where . . . Sonoma Grill, Holbrook, NY

Topic: Solar Materials

Speaker: Charles Fortmann, SBU

Social hour ... 6:00 pm Dinner ... 7:00 pm Meeting ... 8:00 pm

Members ... \$22 Guests ... \$25 ASM 25 years ... \$20 Students ... \$12

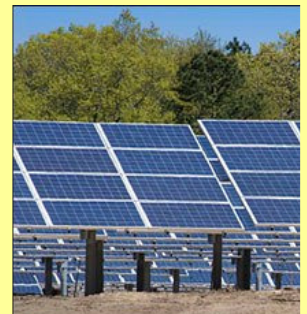
(New and recently transferred-in members free)

Reservations appreciated - call Peter Indrigo at 631-589-6666



Long Island Solar Farm

(Photographs property
of Brookhaven
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Our Speaker

Charles M. Fortmann is an IEEE member, vice president for research and development at Idalia Solar Technology and visiting associate professor in the Department of Material Science and Engineering at Stony Brook University. He has focused on photovoltaic research and protein folding research for over 30 years. He is particularly interested in novel applications of diffusion theory including optics and protein dynamics. His interdisciplinary research integrates physics, material engineering, chemistry, and biology. He has published over 140 papers and over 10 patents.

The Topic

A career in solar energy that now spans 30 years is discussed, from employment as a technician, material science graduate school at Stanford, industrial solar manufacture and multiple academic positions as well as funding increases and decreases with every oil crisis. The mission to develop solar energy is made broad and exciting by the need to optimize new semiconductor materials, develop ultra-low cost processes, and, at the end of the day, have a product capable of sitting in a field for twenty years. During funding lows travel to other more determined countries continued the research in Japan, Germany, and Switzerland as well as new research directions including protein folding (only solar research can make protein folding look easy). At this point we look forward to a time when the efforts of countless thousands of researchers finally help the world develop a sustainable paradigm.




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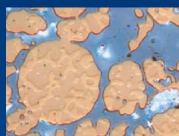
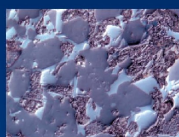
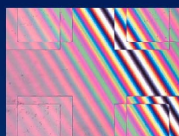
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2012 John R. Weeks Scholarship Program

The Chapter makes available awards worth \$500 p.a. for up to four years for high school students planning to study materials science and engineering at a recognized university or community college. Packages containing details and application forms will be mailed to the Principals at all Nassau and Suffolk county high schools in February. However, if you would like some information now or receive a package yourself, contact Biays Bowerman (631-344-2946) (email bowerman@bnl.gov).



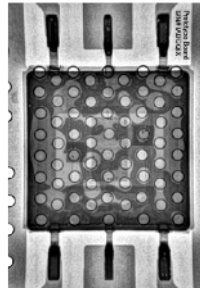
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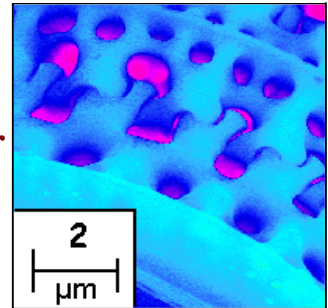
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Directions to the Sonoma Grill Restaurant & Bar

The restaurant's address is 5745 Sunrise Highway, Holbrook, their phone number is (631) 218-3888, and they have a website – <http://www.sonomagrill.com> .

If you're coming from the northern part of the Island, take the LIE (I495) to Exit 62 (Nicolls Road). Go south on CR 97 (Blue Point). Take the exit to Route 27 West (New York). Continue on the service road, cross Broadway Avenue and turn right into the parking lot of the Stop'n'Shop/Sun Lakes shopping center. The restaurant is between the Stop'n'Shop and the Seaman's furniture store. If you're coming from the southern part of the Island, take the Sunrise Highway (Route 27). Eastbound, take Exit 50 (Broadway Avenue), go left to cross over Sunrise, then left again onto the westbound service road. The restaurant is on your right, between the Stop'n'Shop supermarket and the Seaman's furniture store.

If you're travelling westward on the Sunrise, take Exit 51 and continue on the service road to the stoplight at Broadway Avenue. Cross Broadway Avenue and turn right into the parking lot of the Stop'n'Shop/Sun Lakes shopping center.

