

A Message from the SVC Foundation Chair

Thanks again to all of you that are supporting the SVC Foundation. It is clear from talking to awardees that we are having a significant positive impact on student's lives, both in helping their research and in exposing them to the industry by inviting them to the TechCon. Based on this, the SVC Board is looking at a greater emphasis on renewing awards for additional years to awardees who are demonstrating their commitment to meeting the scholarship requirements. This, the Board feels, will further enhance the likelihood of their finding a home in the industry. The SVC continues to support the Foundation by providing matching funds for larger (>\$1000) donations to the Foundation, and I encourage those of you with the means to find such a donation to be money well invested. You can support us through direct donation, the 5K Run (both at SVC and AIMCAL), perhaps at a golf tournament in Orlando, and through various private fundraisers.

Bernard Henry Fund

The Bernard Henry Fund was formally endowed with the donation of Bernard Henry's close friend and fellow rower, Gitanjali Das Gupta, who discovered the existence of the fund and was pleased to put it over the top with a sizable donation. Of Bernard Henry, she says: "...for me, I think his greatest gift was imparting that invaluable lesson of the importance of attitude and determination in life."

We thank all of you with SVC and AIMCAL for the effort and contributions that made this possible. I would like personally to thank Craig Sheppard of AIMCAL for his major individual effort on behalf of this campaign. We invite people to continue to donate to this fund, making it able to support larger scholarship awards.

James W. Seeser, Foundation Chair

The SVC Foundation Hosted the 2008 Scholarship Winners at TechCon 2009 in Santa Clara

"There is an intentional one-year gap between the scholarship award and the invitation to attend the SVC Technical Conference," explained Paolo Raugei, SVC Foundation Scholarship Committee Chair. The rationale surrounding this delay is that it gives students one additional year to carry out their research and be better prepared to present a paper or poster in the Technical session at the annual Technical Conference.

With this in mind, the SVC Foundation is pleased to report that our two sponsored students not only attended the TechCon, but they also made the following contributions to the Technical Program:

Bakthyar Ali, Graduate Student, University of Delaware
Paper presentation in the Emerging Technology session entitled, "Effect of Growth Conditions on the Structure Stability, Transport and Magnetic Properties of Co doped TiO₂ Films"

Michael Orthner, Graduate Student, University of Utah. Poster presentation entitled, "Design and Development of an LPCVD Reactor for the Growth of 3C-SiC on Si."

These scholarship awards resulted in presentations by our scholarship students at the TechCon in Santa Clara, ensuring that the SVC Foundation continues to fulfill its charter of attracting bright, young individuals to the vacuum coating community and the SVC. Our donors and sponsors can be proud of making all this possible through their continued support.

We think it is appropriate to share with our readers some of the comments we received from scholarship students after attending an SVC Technical Conference.

"...This scholarship gave me the opportunity to attend such a wonderful technical conference – which is not only a technical conference – but a school where I learned a lot from various talks and presentations. I took short courses/tutorials from the best experts in their fields."

"...The exhibition at the conference was like a laboratory, where many experiments are going on all day and one can go to any [booth] of interest and learn. It was wonderful."

In 2009, the SVC Foundation has awarded three scholarships:

- Warchol Scholarship, \$10,000
Jamie Dougherty (U), University of Rochester
- SVC Scholar, \$7,500
Emre Yassitepe (G), University of Delaware
- Fenn Scholarship, \$5,000
Michael Orthner (G), University of Utah
Repeat winner (2008)

Congratulations to our 2009 Scholarship recipients and we look forward to welcoming them to the 2010 TechCon in Orlando, FL.

Paolo Raugei, SVC Foundation Scholarship Committee Chair, Galileo Vacuum Systems, Inc.



Bakthyar Ali



Michael Orthner

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SVC Foundation Board of Directors

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Wolfgang Decker, 5K Run Organizer, SVC Board Representative; VAST FILMS, Ltd.; (724/827-8827; w.decker@vastfilm.com)

The SVC Foundation

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SVC Foundation 5K Run and Walk

The worldwide economic situation has also left its mark on charitable foundations and made it challenging to secure some of the usual sponsors for our annual 5K Fun Run and Walk in Santa Clara. With this in mind, the SVC Foundation is even more grateful for those companies and individuals who came through this year to make the 5K a successful fundraising event. The Foundation was able to raise close to \$7,000 through monies received from sponsorships and participant registration fees; funds that are used to cover our annual expenses and to increase the general fund for scholarships.

Almost 40 runners and walkers made the effort early Tuesday morning during the conference and were rewarded with perfect weather and a crisp and refreshing sunrise on the running trail. Rumor had it that one very enthusiastic runner forgot to switch his watch from Eastern to Pacific and showed up at 2:30 in the morning ready to run!

We are already planning for next year's 5K Run and Walk, which will be located on the grounds of the Orlando World Center Marriott Resort and Convention Center in Orlando, FL. If you want to become a sponsor and earn the recognition that comes along with a sponsorship, contact Wolfgang Decker at w.decker@vastfilm.com or call 724/827-8827. We look forward to seeing everyone again in 2010.

The SVC Foundation Thanks the 2009 5K Fun Run Sponsors

AIMCAL

Angstrom Sciences, Inc.

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Society and Industry News

Brooks Instrument Completes Acquisition of Celerity's Instrumentation Division and Acquires Key Instruments

Brooks Instrument, a world-leading provider of flow measurement and control devices and level gauges, announced that it has acquired certain assets of Celerity's Instrumentation division, a technology leader in precision instruments and advanced gas and liquid delivery solutions for the global semiconductor, solar, and electronics industries.

Celerity designs and manufactures precision instruments and advanced gas and liquid delivery solutions, including thermal mass flow devices, for the Semiconductor industry where it has established a global share leadership position. The combined product technology, applications expertise, and operating capabilities of Brooks Instrument and Celerity will well position customers of both companies with market leading offerings in each of its principal product markets.

"This is an extremely exciting time for Brooks," stated Jim Dale, Chief Executive Officer of Brooks Instrument. "With this acquisition, we strengthen our share in the thermal mass flow instrumentation market and establish an entry point with attractive product technology in vacuum and pressure measurement markets. Celerity's strong semiconductor market position together with Brooks' strong industrial market position will create the number one thermal mass flow supplier in the world."

The acquisition includes Celerity's next generation GF Series thermal mass flow controller, designed to precisely measure, monitor, and control ultra high purity process gas chemistry in semiconductor device and solar cell manufacturing processes; as well as other specialty products serving vacuum and pressure measurement markets.

Assets acquired by Brooks Instrument include Celerity's Allen, TX operations and its Irvine, CA, technology center as well as other sales and service locations throughout the world.

Key Instruments Acquisition

Brooks Instrument also announced that it has acquired Key Instruments, Inc. Key Instruments is a flow meter manufacturer based in Trevose, PA which offers precision machined acrylic flow meters, molded plastic flow meters, glass tube flow meters, electronic

flow meters, and flow control valves for medical, industrial, water, chemical, and laboratory applications.

Key Instruments was founded in 1959 as a manufacturer of injection-molded parts for various industries. In the 1970s they began to focus on the manufacturing of high-grade flow meters. Since then, they have been providing exceptional service and quality, along with innovative flow solutions. Key Instruments is an FDA registered medical device manufacturer and also provides NIST traceable flow calibrations for many of its products.

General Plasma Appoints JUST VACUUM as European Sales Representative

General Plasma Inc. (GPI), an innovation leader in vacuum thin film coating, announced that it has recently appointed JUST VACUUM as the company's European Advanced Sources sales representative. JUST VACUUM brings 16 years of vacuum engineering to the GPI team as the company expands its footprint in the European market.

"With so much demand for solar coming from Europe, we felt it was imperative to have a strong sales and support representation in this important market," said Jerry Martin, Vice President for GPI. "JUST VACUUM is well-known for its commitment to excellent customer service in the commercial representation of high-quality components within the range of vacuum engineering. We believe our European customers will be well-served by its close and immediate attention to their needs."

"We are excited to be a part of the GPI family and a team member of our growing sputtering equipment base in Europe," said Gerhard Just and Toni Jochum, General Managers at JUST VACUUM. "GPI's proven leadership in providing a complete thin film solution makes it an ideal match for us. The high quality nature of these solutions resonates with our own philosophy of providing what's best for our customers."

GPI's product line has been distributed in Germany, Austria, Switzerland, and Liechtenstein exclusively by JUST VACUUM since May of 2009. JUST VACUUM represents the full product range including Moving Magnet Planar Magnetrons, Rotary Magnetrons and Linear Ion Sources. Detailed information can be found on the internet at www.justvacuum.com.