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CUNY CAT Newsletter

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In This Issue

[Joseph Tomaras Promoted](#)

[Stella Manne Joins CUNY CAT](#)

[CUNY Technology Commercialization](#)

[CAT Calendar](#)

[FirstNano/CVD and CUNY Brooklyn College Sign Sponsored Research Agreement.](#)

[Highlighting CAT Faculty - Dr. Hualin Zhong](#)

[CUNY CAT Moves to Queens College.](#)

[About the CAT...Who We Are](#)

Joseph Tomaras Promoted to Deputy Director for Administration



Joseph Tomaras has been recently appointed as the Deputy Director for Administration of the CUNY CAT. Mr. Tomaras brings to

the position more than seven years of experience in a variety of administrative positions, including five years on the staff of the CUNY CAT in positions of steadily increasing responsibility.

The Deputy Director for Administration oversees the daily activities of the CAT office, develops the operational and project budgets of the CAT, tracks spending against the budget, and ensures the CUNY CAT's compliance with NYSTAR's reporting and matching fund requirements.

His promotion is a recognition of the expertise he has developed through years of hands-on experience. Joseph looks forward to overseeing the expansion of the CAT's activities.

We congratulate him on this hard-earned advancement.

Stella Manne Joins CUNY CAT

Dr. Manne joined CUNY from the New York Medical College, where she established the Office of Industry



FirstNano/CVD and CUNY Brooklyn College Sign Sponsored Research Agreement

March 24th 2008, RONKONKOMA and BROOKLYN, NY - [FirstNano](#), a division of CVD Equipment Corporation ([CVD](#)) (NASDAQ: [CVV](#)) and [The City University of New York at Brooklyn College](#), today announced the signing of a Sponsored Research Agreement to jointly develop Zinc Oxide (ZnO) nano materials and related semiconductor devices. This joint research is also supported by a matching NYSTAR-CAT Grant. Under the terms of the agreement, CVD has a non exclusive license and an option to an exclusive license of CUNY Intellectual Property related to this project and that is developed either solely by Brooklyn College researchers or jointly with the First Nano/CVD team.



The technology is being developed in research laboratories ([Prof. Kai Shum](#) and Prof. Mim Nakarmi) at Brooklyn College and in First Nano's Laboratory on [EasyTube 3000](#) Systems. This leverages the device design and semiconductor industry experience of Prof. Shum and the strength in material process development, equipment design and manufacturing of First Nano/CVD.

based secure communications, space sensors, mineral identification and miniature displays. This novel technology is well suited for scaling up to commercial production since it uses nanowires as templates, eliminating the delicate and time-consuming task of placing each nanowire separately on "We are extremely pleased that CVD shares our vision and confidence," stated Prof. Kai Shum," in developing this innovative technology to fabricate ultraviolet (UV) light emitting chips with variable sizes and shapes. These chips are based on ZnO nanowire grown by chemical vapor deposition. Since these new photonic devices rely on one-dimensional electronic density states of nanowire structures and the large exciton binding energy of ZnO, they will offer superb performance in power, efficiency, and integration. Major applications of these novel UV light emitting chips include medical and data-storage devices, forensic and biological analysis tools, UV-a device. This agreement also demonstrates NYSTAR-CAT's commitment to partnering with industry leaders such as First Nano/CVD, to help bring important, leading-edge technologies to the marketplace and to invest in New York based growth opportunities."

"We are excited to have the opportunity to collaborate with Prof. Shum, who worked at Bell Laboratories/Lucent Technologies and Agere Systems prior to his return to the academic field," said Dr. Karlheinz Strobl, VP of Business Development for CVD Equipment Corporation. "The collaboration of our in-house process, equipment design and manufacturing capabilities with the Brooklyn College team has the potential to evolve into several important business opportunities. Signing this Agreement and focusing some of our R&D and Engineering capabilities on this growth opportunity is inline with our vision of *enabling tomorrow's technologies*TM, today."

Sponsored Research & Technology Development. Prior she served as Director of Research Administration at Stevens Institute of Technology,

Her role at the CAT as Deputy Director for CAT Development will be to interface with the technical faculty in developing new Research opportunities particularly in the Biomed, Biopharm technology areas

Stella received a Ph.D from Columbia University and has taught a variety of courses at CUNY as well as other senior colleges. I hope you will join us in welcoming her to CUNY.

CUNY Coordinates Technology Commercialization Efforts

CUNY's Technology Commercialization Office (TCO) has been organized to evaluate and protect CUNY innovation, manage the patenting process, and develop commercialization opportunities. Their goal is to provide a responsive and active TCO that seeks to license viable innovations with industry.

If you're interested in reviewing our patent portfolio and wish to speak to a TCO staffer please feel free to contact Jake Maslow, the office's director, at 646 758-7920 or by email at jake.maslow@mail.cuny.edu

CAT Calendar and Upcoming Events

CAT Scientists Meeting and Elections
Watch for it in the early fall

CAT Entrepreneurship Seminars
for CUNY Faculty Early Fall

CUNY CAT-Industry Collaborative
Research Grant Program
Submission Date extended
See [CUNYCAT RFP](#)

Highlighting CAT Faculty - Dr. Hualin Zhong



An Assistant Professor in the Department of Biological Sciences at Hunter College. Dr Zhong joined the faculty in September 2005, and is also adjunct faculty at Rockefeller University. Her research interests include Microbiology and Molecular Genetics.

As a recent addition to the CAT faculty she already has a CAT project with Immune Technology a NYC startup company. Her involvement came as part of a successful SBIR Phase I proposal "Monoclonal Antibody Selecting System and Process." submitted to the NIH which she helped author.

We wish her the best with this new project and hope that the work will lead to a Phase II grant for the company and potentially a new product

CUNY CAT Moves to Queens College

Last fall the CUNY CAT opened its new administration center in Razran Hall on the Queens College campus. In addition to the expanded office facilities its central location and ample parking for clients makes the new location easier for CAT clients and faculty to meet and visit and for the CAT staff's access to all CUNY campuses.

Feel free to stop by for a visit and a cup of coffee. We're located in Suite 314 (third floor) of Razran Hall. Let us know if you need directions and a parking pass.

About the CAT

Who We Are -

The New York State Center for Advanced Technology in Photonics Applications at The City University of NY ("CUNY CAT") develops and disseminates knowledge in photonics technology in order to promote New York State economic development for the medical, biological, industrial, homeland defense and military sectors.

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