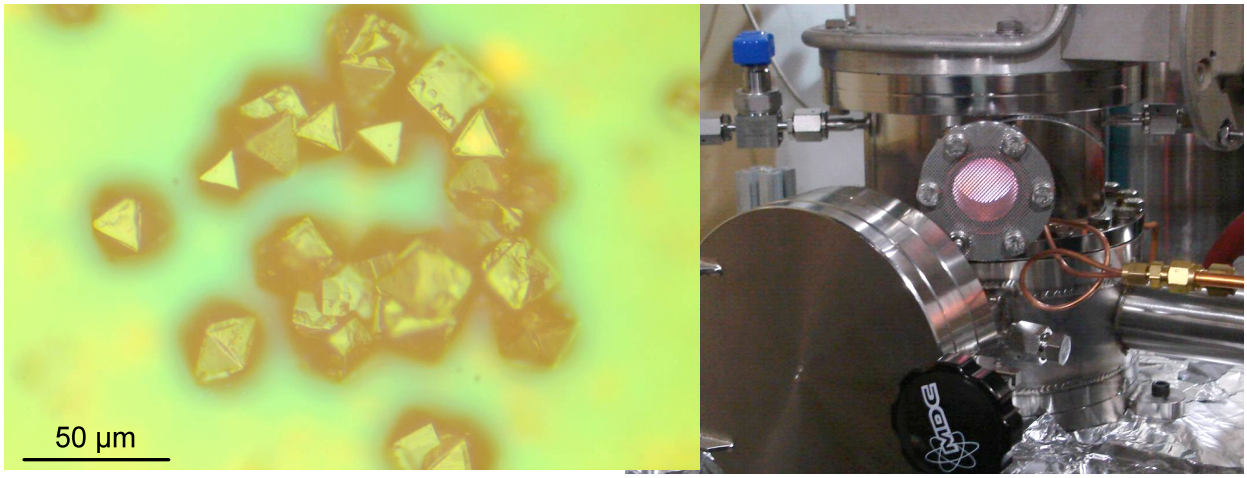
Press Release

October 2009

SMI Announces NIH and DOE Phase I SBIR Awards to develop Diamond Based Radiation Detectors

Structured Materials Industries, Inc. (SMI) announced that it has received SBIR Phase I funding from the National Institute of Health (NIH) and the Department of Energy (DOE) to develop radiation hard radiation detectors. SMI will collaborate with Rutgers University in these programs. SMI is a technology leader in CVD of advanced thin film materials, including diamond and other radiation hard semiconductor materials. The objective of the NIH program is to develop radiation hard x-ray detectors, which can be used for image guided proton beam cancer therapy. The objective of the DOE program is to develop high energy particle detectors, which can operate in the high radiation environment near the collision point of high luminosity colliders. Diamond is an excellent material for these and other application specific detector, due to its high sensitivity and extreme radiation hardness.



Structured Materials Industries, Incorporated is a leader in advanced and custom Chemical Vapor Deposition (CVD) tool and related technologies. SMI offers for sale: systems, components, materials, and process development services. SMI has an in-house applications laboratory featuring multi-reactor deposition systems and analytic capabilities, has developed a range of strategic partnerships to develop and implement MOCVD technology and looks forward to continuing to grow and expand upon mutually advantageous relationships.

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