

Press Release

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## Crystal IS Announces New Vice President

Green Island, N.Y. — September 14, 2005 — Crystal IS, the leading supplier of ultra-low defect density native aluminum nitride (AlN) single crystal substrates, hired Joseph A. Smart as Vice President, Device Development.

In his new role, Smart will be responsible for leading efforts to develop and produce UV light emitters, as well as for advising the marketing team and various partners on the development of substrates for high-performance electronic devices.

Previously, Smart, who is relocating to the Capital Region from Charlotte, N.C., was Director of GaN Materials at RF Micro Devices and Vice President of Advance Materials and co-founder of RF Nitro Communications. He has also worked at Northeast Semiconductor in Ithaca, N.Y.

Smart holds one U.S. patent and is involved with four pending patents. He is completing his Ph.D. in Electrical Engineering/Electro-physics and has earned a master's degree in materials science and a master's degree in electrical engineering from Cornell University, as well as a bachelor's degree in electrical engineering from State University Center at Binghamton.

### *About Crystal IS*

Crystal IS ([www.crystal-is.com](http://www.crystal-is.com)) produces crystals from a new type of semiconductor material that is then sliced into wafers and used for new generation semiconductor devices. Market analysts anticipate the semiconductor device market, based on this crystalline nitride material, to grow to more than \$25 billion a year within the next decade.

These new generation semiconductor devices, particularly when combined with existing semiconductor nanofabrication techniques, are poised to make significant improvements and enhance quality of life in a wide variety of applications: air and water purification, military and biomedical devices, wireless communication, information technology, display lighting, and improved DVD technology, among many others.