Crystal IS
Innovative Semiconductors

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Dr. Stephan Mueller joins Crystal IS Inc as new Vice President

September 26, 2007 – Crystal IS Inc., of Green Island, NY has announced that it has recently appointed Dr. Stephan Mueller as Vice President of Engineering. Crystal IS Inc. is the worlds leading supplier of ultra-low defect aluminum nitride (AlN) wafers for the semiconductor industry. These wafers are used as substrates in the manufacture of high performance light emitting diodes (LEDs) and laser diodes which are, in turn, used in a wide variety of applications from blue lasers in high density data storage to ultraviolet (UV) LEDs used in water and air purification systems.

"I am very excited to join Crystal IS Inc. at a time where the company is poised for commercial success after demonstrating some record breaking technological results" said Dr. Mueller. "We plan to build the crystal growth technology from the great foundations that have already been demonstrated to greater levels of consistency and manufacturability to develop substrates meeting the high quality levels at a cost effective price demanded by the semiconductor industry".

Last year, Crystal IS Inc. introduced the world's first 2-inch single crystal, low defect AlN wafers for use in a production manufacturing environment. With a very strong background in crystal growth, Dr. Mueller takes on the responsibility of further developing these wafers into high quality, cost effective substrates both for mainstream external sales and for use in the company's internal development program of high performance UV LEDs.

"Stephan is internationally recognized for his achievements in the field of wide bandgap semiconductors and has tremendous knowledge of crystal growth at volume production levels that will be key as Crystal IS continues on its path to commercialization," said Dr. Ding Day, Chief Executive Officer.

Dr. Stephan Mueller has 14 years of experience in the growth of wide bandgap semiconductors and co-authored more than 50 publications in refereed journals. In his most recent position as Principal Scientist with Cree Inc (Durham, NC) he was responsible for the management and coordination of many R&D and production projects in the field of wide bandgap semiconductors. He currently also holds a position as adjunct professor in the materials science department of North-Carolina State University. He received his Masters Degree in Physics and PhD in Materials Science at Friedrich-Alexander-University Erlangen-Nuremberg, Germany through research in the growth of bulk wide bandgap semiconductor crystals and has also published a book on this topic.