

Press release

Linköping, Sweden, November 28, 2005

Sectra launches new methods to handle extremely large image data sets

Sectra has invented new ways of retrieving and displaying image data of extreme size and arbitrary dimensions, patents pending. Combined, these methods increase the display speed of radiology images by a factor of 100 times or more compared with traditional methods.

The first implementation in a series of the new methods is incorporated in Sectra's next-generation diagnostic workstation for healthcare professionals which is currently being shown as work in progress at the RSNA radiology congress in Chicago.

"There are a number of great challenges for data retrieval that cannot be solved by traditional systems. Our new inventions provide methods to cope with these challenges that will further increase efficiency in our customer's operations," says Staffan Bergström, Vice President Marketing at Sectra Imtec AB.

The functional examinations that time series can offer is constantly gaining ground, resulting in extremely large data sets. Sectra's new diagnostic workstation being presented at RSNA has an integrated visualization tool that allows instantaneous user interaction independent of the size of the dataset. First release of the new workstation is planned during 2006.

One of the inventions¹⁻⁴ is based on research conducted in cooperation between Sectra and the Center for Medical Image Visualization at Linköping University in Sweden.

¹ Ljung et al., *Transfer Function Based Adaptive Decompression for Volume Rendering of Large Medical Data Sets*, Proceedings {IEEE} Volume Visualization and Graphics Symposium 2004, pp. 25-32.

² Lundström et al., *Extending and Simplifying Transfer Function Design in Medical Volume Rendering Using Local Histograms*, Proceedings Eurographics/IEEE VGTC Symposium on Visualization, 2005, pp. 263-270.

³ Persson et al., *Automatic parameter setting for volume rendering of MR angiography*, RSNA 2005.

⁴ Persson et al., *Standardized Volume Rendering for MR Angiography Measurements in the Abdominal Aorta*, accepted for publication in Acta Radiologica.

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*Meet Sectra at RSNA in Chicago, November 27-December 1.
South Building, Hall A, Booth 1356.*

About Sectra's medical operations

Sectra, the recipient of the 2004 Frost & Sullivan Medical Imaging Company of the Year Award, is one of today's major diagnostic imaging providers. More than 750 hospitals worldwide use Sectra's system, performing more than 35 million radiology examinations per year. Sectra's core business is delivering top-of-the-line, high-availability, robust enterprise diagnostic imaging for 24/7 operation. In Scandinavia, Sectra is the market leader with more than 50% of all film-free installations. The company's systems are installed in most major countries in Europe, the Far East and North America.

About Sectra

Sectra, founded in 1978, has its roots at the Linköping Institute of Technology in Sweden. Since the mid-1980s, Sectra has successfully conducted development and sales of cutting edge products in expansive niche segments. Today, Sectra operations include medical systems and secure communication systems.

Sectra has offices in eight countries and operates through partners worldwide. Sales for the fiscal year 2004/2005 totaled SEK 456 million. Since March 1999, Sectra's shares have been quoted on the O-list of the Stockholm Stock Exchange. For more information about Sectra, visit www.sectra.com.

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