

### ***Biography of Laurent Malier***

Laurent Malier is heading the LETI - Laboratory for Electronics and Information Technology -, a research institute owned by CEA, based in France, within MINATEC pole of excellence. With a permanent staff of 1,000 researchers, and a global workforce exceeding 1,500 people, the LETI develops technologies and solutions in nanoelectronics, microtechnologies and their applications, specifically in telecoms, ambient intelligence, imaging, biology and healthcare. The CEA-LETI is focused on applied research and is committed to partnerships with European Industry. It develops and transfers miniaturized devices, based on its 200mm and 300mm silicon infrastructures. Intellectual Property being a strength for innovation, the CEA-LETI filed more than 200 patents in 2007 and manages a portfolio of 1,400 patents, 40% of which is engaged in licences.

Laurent Malier was graduated from Ecole Polytechnique and received his M.S. degree in Solid State Physics in 1990, from University of Paris-Orsay. His thesis research covered the synthesis of nanoporous oxides and their applications, and he pursued research on semiconductor nanocrystals, fullerenes and optical glasses. In 1996, he joined the French ministry of Defence, in charge of R&D strategy and programs in electronics, where he launched developments in uncooled infrared imagers and high-power gallium nitride RF devices. He was at that time chairing the European cooperation of DODs in electronic components. In 2001, he joined Alcatel Optronics, a public company producing optoelectronic components for optical telecommunications, in charge of new product developments. He took over the semiconductor business unit of Alcatel Optronics, which became Avanex in 2003, into which he developed the wafer service business.

Laurent Malier joined the LETI in 2005, first as VP strategy and programs. He took over the direction of the Institute in October 2006.