

<u>Name</u>	<u>Organisation</u>	<u>Project title</u>	<u>Decision No.</u>	<u>Decision date</u>	<u>Funding period</u>	<u>Funding</u>
Kostamovaara, Juha	OY	Development of integrated time-to-digital converters, timing discriminators and high-speed switches and laser diodes and their applications to radio telecommunications and optoelectronic measurements	134749	27.04.2009	01.08.2009 - 31.12.2011	402 940

Project description

Accurate, integrated time-to-digital converters and timing discriminators will be developed and also applied to frequency synthesis, "time-domain" AD-conversion and pulsed time-of-flight laser range finding. In addition, the breakdown mechanisms of compound semiconductors will be studied and high-speed switch and THz emitter components based on these phenomena will be developed. Finally, high-speed and powerful pulsed laser diodes will be developed and applied to optoelectronic measurements.