



Silicon Catalyst announces admission of Active Layer Parametrics (ALP)

ALP Technology Sets Sights on Disrupting Semiconductor Metrology

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Silicon Valley, CA. (May 25, 2017) – Silicon Catalyst, the world’s only incubator focused exclusively on solutions in silicon announces the admission of Active Layer Parametrics (ALP), as the latest startup to join a growing group of companies driving innovation in semiconductors. ALP is a semiconductor metrology equipment startup that has developed a novel technology for the comprehensive electrical characterization of semiconductor films. As semiconductor technology progresses to more advanced nodes, measuring the properties of ever thinner films employed in device structures necessitates angstrom level precision for accelerated and efficient unit process development and device modeling. Unlike existing approaches, ALP’s technology (ALPro) rapidly provides carrier concentration, mobility and resistivity profiles through thin semiconductor layers at atomic-level resolution.

Prof. Oscar Stafsudd of UCLA said “ALP’s revolutionary toolbox enables them to develop measurement recipes for a variety of materials employed in a wide range of applications including electronic displays, sensors, LEDs, RF and high-power electronics. ALPro technology is the first metrology approach that offers this capability. The semiconductor industry is finding greater and greater need for this capability, especially at the astonishingly low prices and flexibility promised by ALP’s technology.”

Silicon Catalyst CEO Rick Lazansky, said “We are proud to admit ALP into Silicon Catalyst. ALP joins a dozen other companies with leading edge semiconductor solutions that will help shape our future. We look forward to being a part of ALP’s success as they change the world of metrology.”

ALP’s President and co-founder Bulent Basol explained, “We are excited to become a portfolio company of Silicon Catalyst and are looking forward to bringing our innovation to market with the support of the excellent team at the incubator.” Dr. Basol has over 167 issued US patents and over 100 publications on semiconductor devices, thin film processes and semiconductor processing tools.

About ALP:

ALP is a Silicon Valley semiconductor metrology equipment startup developing a technology with the unique capability of measuring and profiling all of the critical electrical properties, including mobility and active carrier concentration, of semiconductor layers at atomic-level resolution. Application areas include precise characterization of source-drain regions for MOSFETs and new material layers (SiGe, Ge, III-V) used in advanced device structures. For more information, please visit: www.alpinc.net.

About Silicon Catalyst:

Silicon Catalyst is the only incubator focused exclusively on solutions in silicon, building a coalition of in-kind and strategic partners to dramatically reduce the cost and complexity of development. With a world-class network of mentors to advise startups, Silicon Catalyst is helping startups address challenges moving from idea to realization. The incubator/accelerator supplies startups with facilities, a path to funding, tools, networking and marketing acumen to successfully launch their companies' novel technology solutions. Silicon Catalyst was the recipient of the prestigious 2015 ACE Award for Start-Up Company of the Year. For more information, please visit www.sicatalyst.com.

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