

Arcam provides cost-efficient Additive Manufacturing solutions for production of metal components. Arcam's Electron Beam Melting (EBM[®]) technology offers design freedom combined with excellent material properties and high productivity. Through our solutions orientation Arcam is an innovative partner for advanced manufacturing, primarily in the aerospace and medical industries.

Arcam provides Electron Beam Melting systems through Arcam AB in Sweden, powder metals through AP&C in Canada and implant contract manufacturing through DiSanto in the U.S. The company is listed on Nasdaq Stockholm and the Head Office is located in Mölndal, Sweden.

Arcam offers in cooperation with Chalmers University of Technology an

Industrial PhD position

Mathematics for Electron Beam Melting / 3D printing in metal

Job description

The student will have a full-time employment at Arcam AB combined with enrollment as a PhD student in the department of Mathematical Sciences at Chalmers. Four years of full-time research and study is expected to lead to a PhD degree in Applied Mathematics at Chalmers. Up to 20 percent teaching in mathematics may be added, in which case the total study time will be five years.

The student will work with improving the melting process, and at the same time make 3D printing by EBM more transparent for validation. New mathematical models and simulation algorithms for the EBM process will be developed. This will make it possible to control and validate the EBM process from computed temperature distributions.

Requirement

The PhD student to be recruited should have a Master degree (or equivalent) in mathematics/applied mathematics or engineering with a strong focus on scientific computing. Experience with modern programming languages is essential.

For further information please call our recruitment consultant Peter Ternebring at Confidera Urval, telephone +46 31 27 33 30, www.confideraurval.se.

Please send us your application as soon as possible, marked "Arcam – Industrial PhD", to: rekrytering@confideraurval.se