

**THERMO-CALC SOFTWARE AND QUESTEK DEVELOP NEW
TC-PRISMA MATERIAL PRECIPITATION MODELING SOFTWARE**

*New Software Cooperatively Developed by Two Industry Leaders Helps Enable
Computational Materials Engineering and Materials Genome Initiative*

STOCKHOLM, SWEDEN and EVANSTON, IL, USA, Jan. 9, 2012 - Thermo-Calc Software AB and QuesTek Innovations LLC have jointly developed TC-PRISMA, a powerful new user-friendly software package available from Thermo-Calc Software AB for modeling precipitation in multi-component and multi-phase systems, which is used in conjunction with well-established Thermo-Calc and DICTRA software. TC-PRISMA evaluates concurrent nucleation, growth and coarsening, and incorporates key models and algorithms from QuesTek's *PrecipiCalc*[®] precipitation simulation software, which QuesTek has used as part of its *Materials by Design*[®] technology to computationally design novel new alloys such as *Ferrium*[®] M54[™], S53[®], C61[™] and C64[™] for use in aerospace, defense, energy, racing and other industries.

Dr. Charlie Kuehmann, QuesTek's President and CEO, commented that "The launch of TC-PRISMA software is very timely given President Obama's recent establishment of the Materials Genome Initiative, since TC-PRISMA is an important new tool for materials design engineers to computationally design materials. We're excited to have partnered with Thermo-Calc Software, a premier leader in scientific software and databases that involve computational thermodynamics and diffusion-controlled simulations, to accelerate the adoption of integrated computational materials engineering (*i.e.*, ICME) tools."

Dr. Anders Engström, Thermo-Calc Software's President, added that "TC-PRISMA is new, robust, precipitation modeling software built by two globally-recognized leaders in computational modeling, analysis and material design, which significantly enhances Thermo-Calc and DICTRA. To develop TC-PRISMA we're pleased to have partnered with QuesTek and incorporated key aspects of their *PrecipiCalc*[®] software, since QuesTek is well-known for their application of computational materials engineering, software and databases to rapidly design new materials that meet user-defined needs."

More information about TC-PRISMA is available at <http://www.thermocalc.com/TC-PRISMA.htm>

ABOUT THERMO-CALC SOFTWARE AB

Thermo-Calc Software AB (www.thermocalc.com) of Stockholm, Sweden is a global leader in computational thermodynamics software tools within the area of material science. Its flagship software tool Thermo-Calc has been used for more than 25 years by leading industrial, governmental and academic researchers and engineers to create multi-component thermodynamic and phase diagram calculations, and more than 1,000 licenses of Thermo-Calc software are currently in place. Its diffusion simulation tool DICTRA, which uses Thermo-Calc as its engine, has been widely utilized since its introduction more than 14 years ago. Thermo-Calc Software AB was founded as an independent company in 1997 as an off-spring from the Royal Institute of Technology (KTH), Department of Materials Science, in Stockholm, Sweden. For more information, contact Therese Gustafsson at +46-8-545-959-74 or: info@thermocalc.com.



ABOUT QUESTEK

QuesTek Innovations LLC (www.questek.com) of Evanston, IL, USA is a global leader in computational materials design, serving commercial and governmental clients. QuesTek uses its proprietary *Materials by Design* technology and expertise to rapidly develop new materials that reduce capital, processing, operating or maintenance costs, or improve environmental protection, competitive supply or competitive advantage. QuesTek has been highlighted in many leading business and technical publications, and has more than 30 patents awarded or pending worldwide for new, computationally-designed materials. For more information, contact Jeff Grabowski at 1-847-425-8241 or jgrabowski@questek.com.