- PRESS RELEASE -

CST University Publication Award 2009: Winners Announced

December 22nd, 2009 – Computer Simulation Technology (CST), Darmstadt, announces winners of the CST University Publication Award 2009.

The CST University Publication Award is an annual grant to university institutes and researchers for their work in the application of 3D EM field simulation. The winners are awarded with extensions to their CST STUDIO SUITE installations.

Prerequisites for participation are that the papers are authored or co-authored by university researchers, published either in scientific journals or conference proceedings, and the numerical results are entirely or in part obtained through simulation using CST software products.

Submissions were evaluated on a number of criteria including originality of the application or the theory, clarity of presentation, as well as the skilful usage of CST software features. There is a special award for short papers which acknowledges the importance of short conference papers in promoting the practical application of simulation.

"Now in this its sixth year, the number of submissions underlines the growing popularity of both the CST University Publication Award and the use of CST simulation tools in academia." said Dr. Martin Timm, Marketing Director, CST. *"The quality of the publications was outstanding and selecting the winning entries was not easy. We would like to thank everyone who contributed and hope to welcome an even larger number of participants in 2010."*

The following papers have been selected to receive the CST University Publication Award 2009:

- "Theory and simulation of surface plasmon excitation using resonant metal nanoparticle arrays"; *Amitabh Ghoshal, Pieter G. Kik; JOURNAL OF APPLIED PHYSICS 103, 29.03.2008, pp 113111-1 - 113111-8* http://www.cst.com/Content/References/Theory+and+simulation+of+surface+plasmon+excitation+using+resonant+metal+nanoparticle+arrays
- "Noninvasive Procedure for Measuring the Complex Permittivity of Resins, Catalysts, and Other Liquids Using a Partially Filled Rectangular Waveguide Structure"; *M. Jaleel Akhtar, Lambert E. Feher, Manfred Thumm;* IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, VOL. 57, NO. 2, FEBRUARY 2009 pp 458-471

CST — COMPUTER SIMULATION TECHNOLOGY AG | Bad Nauheimer Str. 19 | D - 64289 Darmstadt, Germany
Phone: +49 6151 7303 0 | Fax: +49 6151 7303 100 | info@cst.com | http://www.cst.com | VAT: DE 152 703 144
Commerzbank Darmstadt: Account No. 1 425 081 | Sort Code (BLZ) 508 400 05 | IBAN: DE95 5084 0005 0142 5081 00 | SWIFT/BIC: COBADEFF508
HRB 87073 Amtsgericht Darmstadt | Vorsitzender des Aufsichtsrats/Chairman of the Supervisory Board: Prof. Dr. Thomas Weiland
Vorstand/Management Board: Dipl.- Ing. Michael Bartsch, Dr. Peter Thoma, Dr. Bernhard Wagner

http://www.cst.com/Content/References/Noninvasive+Procedure+for+Measuring+the+Complex+Permittivity+of+Resins%2c+Catalysts%2c+and+Other+Liquids+Using+a+Partially+Filled+Rectangular+Waveguide+Structure

- "Role of surface plasmon polaritons on optical transmission through double layer metallic hole arrays"; *R. Ortuño, C. García-Meca, F. J. Rodríguez-Fortuño, J. Martí, Alejandro Martínez*; PHYSICAL REVIEW B 79 12.02.2009 pp 075425-1 - 075425-10
  http://www.cst.com/Content/References/Role+of+surface+plasmon+polaritons+on+optical+transmission+through+double+layer+metallic+hole+arrays

Short paper award

- "Simplified Approach for 3-D Nonlinear Induction Heating Problems"; *A. Canova, F. Dughiero. F. Fasolo, M. Forzan, F. Freschi, L. Giaccone, M. Repetto; IEEE TRANSACTIONS ON MAGNETICS VOL. 45, NO. 3, MARCH 2009*
  http://www.cst.com/Content/References/Simplified+Approach+for+3-D+Nonlinear+Induction+Heating+Problems

More information about CST's university program, the winner of the University Publication Award 2009 and the upcoming award 2010 can be found on the CST corporate website at:
http://www.cst.com/Content/Company/UniProgram.aspx

About CST

CST develops and markets high performance software for the simulation of electromagnetic fields in all frequency bands. Its success is based on the implementation of unique, leading edge technology in a user-friendly interface. CST's customers operate in industries as diverse as Telecommunications, Defence, Automotive, Electronics, and Medical Equipment, and include market leaders such as IBM, Intel, Mitsubishi, Samsung, and Siemens. With over 160 employees worldwide and a network of qualified distributors, more than 190 people are dedicated to the development and support of its EM products in more than 30 countries.

CST's flagship product, CST MICROWAVE STUDIO® (CST MWS) is the market leader in Time Domain simulation. It enables the fast and accurate analysis of high frequency (HF) devices such as antennas, filters, couplers, planar and multi-layer structures and SI and EMC effects. CST MWS can offer considerable product to market advantages such as shorter development cycles, virtual prototyping before physical trials, and optimization instead of experimentation. Further information about CST is available on the web at www.cst.com.

###

For further information please contact:
Ruth Jackson, Marketing Communications, CST
Tel: +49 6151 7303-752
Email: info@cst.com, Web: http://www.cst.com