



Media Alert

CST University Award 2017

Winners announced

Darmstadt, Germany, December 22, 2017– Computer Simulation Technology (CST), part of SIMULIA, a Dassault Systèmes brand, today announces the winners of the CST® University Publication Award 2017, an annual prize given to university institutes and researchers for published papers involving applications of electromagnetic simulation.

The CST University Publication Award recognizes the importance of work from university researchers and academics, and grants winners extensions and upgrades to their CST STUDIO SUITE® installations.

For papers to be considered in the award, they must meet three conditions: they must be authored or co-authored by university researchers, they must have been published either in scientific journals or conference proceedings, and the numerical results must be entirely or partly obtained through simulations using CST software.

Submissions are evaluated on a number of criteria, including originality of application and theory, clarity of presentation, and the skillful use of CST software. A special award is also given for short papers, of four pages or less, to acknowledge the importance of short conference papers in promoting practical applications of simulation.

“We would like to thank all the participants for sending in their contributions,” said Dr. Martin Timm, Director of Global Marketing, CST. *“Selecting a winner is never easy, especially considering the vast range of interesting and novel areas of application as well as the outstanding quality of the contributions.”*

The following papers have been selected to receive the CST® University Publication Award 2017 and are listed in no particular order:

“Dual-Band Electronically Beam-Switched Antenna Using Slot Active Frequency Selective Surface”;
Chao Gu, Benito Sanz Izquierdo, Steven Gao, John C. Batchelor, Edward A. Parker, Fan Qin, Gao Wei, Jianzhou Li, and Jiadong Xu;
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, VOL. 65, NO. 3, MARCH 2017, pp. 1393-1398

“Chirping Techniques to Maximize the Power-Handling Capability of Harmonic Waveguide Low-Pass Filters”



Fernando Teberio, Ivan Arregui, Adrian Gomez-Torrent, Israel Arnedo, Magdalena Chudzik, Michael Zedler, Franz-Josef Görtz, Rolf Jost, Txema Lopetegui, and Miguel A. G. Laso;
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, VOL. 64, NO. 9, SEPTEMBER 2016, pp. 2814-2823

“Low-Profile Wideband Metasurface Antennas Using Characteristic Mode Analysis”
Feng Han Lin, and Zhi Ning Chen;
IEEE Transactions on Antennas and Propagation, Volume: 65, Issue: 4, April 2017, pp. 1706 - 1713

The Short Paper Award 2017 goes to:

“Dual Circularly Polarized Series-Fed Microstrip Patch Array with Coplanar Proximity Coupling”
Shengjian Jammy Chen, Christophe Fumeaux, Yasuaki Monnai and Withawat Withayachumnankul,
IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, VOL. 16, January 2017, pp. 1500-1503

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About CST- Computer Simulation Technology

Founded in 1992, CST is a market leader in delivering 3D electromagnetic (EM) field simulation tools through a global network of sales and support staff and representatives. CST develops CST STUDIO SUITE, a package of high-performance software for the simulation of EM fields in all frequency bands. Its growing success is based on a combination of leading edge technology, a user-friendly interface and knowledgeable support staff. CST solutions are used by market leaders in a diverse range of industries, including aerospace, automotive, defense, electronics, healthcare and telecommunications. CST is part of SIMULIA, a [Dassault Systèmes](#) brand. Further information about CST is available on the web at www.cst.com.

About SIMULIA

The SIMULIA brand of Dassault Systèmes enables users to leverage physics-based simulation and high-performance computing to power sustainable innovation for products, nature, and life. Powered by Dassault Systèmes' 3DEXPERIENCE platform, SIMULIA realistic simulation and optimization applications accelerate the process of making mission-critical design and engineering decisions before committing to costly and time-consuming physical prototypes. www.3ds.com/simulia.

About Dassault Systèmes

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