



## Media Alert

### CST University Publication Award 2018 Winners announced

**Darmstadt, Germany, December 21, 2018 – Computer Simulation Technology (CST), part of SIMULIA, a Dassault Systèmes brand, today announces the winners of the CST® University Publication Award 2018, the final iteration of the annual prize given to university institutes and researchers for electromagnetic (EM) simulation papers. From 2019, EM researchers are encouraged to showcase their work in the Dassault Systèmes Project of the Year contest.**

Running since 2003, the CST University Publication Award has showcased some of the best work from university researchers and academics in the field of electromagnetism, and has supported winners with 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 EM simulation 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.

This will be the last year of the CST University Publication Award, but student users of CST Studio Suite will still have the opportunity to demonstrate their skills and win prizes for their work with the Dassault Systèmes Project of the Year contest. Information about the Project of the Year 2019 will be announced at <https://academy.3ds.com/en>, while the 2018 contest can be seen at <https://academy.3ds.com/en/poty2018>.

*“It is always a challenge to pick the winners from the large number excellent research works submitted,”* said Dr. Martin Timm, Marketing Director SIMULIA EMAG. *“Today we are glad to announce the deserving awardees of the 2018 CST University Publication Award. We’re proud to have run the Award for 15 years now, and delighted to see our software used in so much groundbreaking work, and we hope to see equally outstanding entries in the Project of the Year 2019 contest.”*

The following papers have been selected to receive the CST University Publication Award 2018 and are listed in no particular order:



“High power long pulse microwave generation from a metamaterial structure with reverse symmetry”

Xueying Lu, Jacob C. Stephens, Ivan Mastovsky, Michael A. Shapiro, and Richard J. Temkin

PHYSICS OF PLASMAS , VOL. 25, NO.2, February 2018, pp. 023102-1 - 023102-9

“A Wideband Reconfigurable Antenna With 360° Beam Steering for 802.11ac WLAN Applications”

Yang Yang and Xi Zhu

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, VOL. 66, NO.2, February 2018, pp. 600 - 608

“Crumpling effects and specific absorption rates of flexible AMC integrated antennas”

Ala Alemaryeen, Sima Noghianian

IET Microwaves, Antennas & Propagation, 2018 , VOL. 12, NO.4 , pp. 627-635

The Short Paper Award 2018 goes to:

“The Effect of Matrix Power Repeaters on Magnetic Field Distribution of IPT Systems”

Rong Hua, Aiguo Patrick Hu, Ho Fai Leung

2017 IEEE Energy Conversion Congress and Exposition (ECCE)

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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](http://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](http://www.3ds.com/simulia).

### About Dassault Systèmes

Dassault Systèmes, the 3DEXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 220,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).

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