



## Press-Release

### CST supports the 2017 TIE+ PCB design simulation contest

**Darmstadt, Germany, May 31, 2017 – Computer Simulation Technology AG (CST), part of SIMULIA, a [Dassault Systèmes](#) brand, congratulates Radu Voina of the Technical University of Cluj-Napoca, the winner of the Interconnection Techniques in Electronics (TIE) contest, held at the “Gheorghe Asachi” Technical University of Iasi, Romania. As a platinum sponsor of the contest, CST is pleased to provide a free one-year license of CST STUDIO SUITE® to the winner’s institute.**

Coordinated by “Politehnica” University of Bucharest since 1992, the TIE contest is internationally recognized for promoting student achievements and technological advancements in computer aided design of electronic modules and printed circuit boards (PCB). A key goal of the contest is to challenge students with real-life design challenges to further prepare them to meet industry expectations for engineering graduates. TIE+ expands the PCB design portion of the contest to focus on virtual prototyping disciplines that support high-complexity PCB design.

The 2017 TIE+ contest problem required developing a simulation model to improve the signal and power integrity on electronics assemblies. Radu Voina’s winning entry used CST PCB STUDIO® (CST PCBS) to simulate the power delivery network (PDN) for a GPU processing unit and two 1Gb DDR3 memory modules. With CST PCBS, Voina was able to: analyze Dynamic Voltage (IR) drop to verify compliance with the DC voltage drop target, calculate impedance vs. frequency curves, and optimize the number of decoupling capacitors needed to reach the target impedance.

*“The TIE+ initiative is an excellent activity and we were proud to support it,”* said Matthias Tröscher Business Development Manager, CST and member of the TIE+ Technical Committee. *“Radu Voina’s simulation project was perfectly defined for all post layout analyses and his presentation was outstanding and well prepared.”*

Second place went to Peter Balan from Politehnica University of Bucharest and third place to Andreas Paranici from University of Oradea. The second and third place winners will receive a free six month and three month license of CST STUDIO SUITE® respectively. As part of the SIMULIA brand of Dassault Systèmes, CST is proud to support projects such as TIE through its academic program and the CST University Publication Award. More information on TIE can be found at: <http://www.tie.ro>.

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### About CST- Computer Simulation Technology AG

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).

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