



ANSYS/IEEE Networking Dinner

This networking social, sponsored by ANSYS, Inc., University of Waterloo and the Waterloo Chapter of IEEE, will allow users to view two presentations on ANSYS Electromagnetic Solutions by ANSYS expert Markus Kopp. Dinner and drinks are provided. Seating is limited so register soon. This event qualifies for professional development hours (PDH).

Presentation 1: Recent Advances for RF and Microwave and Signal Integrity Applications

This talk will focus on what ANSYS simulation tools are available that help engineers solve their mission critical design challenges. The presentation will briefly explain mathematics used in the software and which applications each tool is ideally suited for. Lastly, we will discuss some of the latest capabilities that have come online to enable higher accuracy in modeling microwave and RF design issues, yield faster solution times and allow engineers to solve extremely large electromagnetic problems and structures.

Presentation 2: Using ANSYS HF Simulation Tools to Design at the Component and System Level

This presentation focuses on how ANSYS tools can be used to address the emerging engineering design challenge of today. Engineering the system. We will focus on how to use the ANSYS HFSS and ANSYS Designer system simulator to create a full end-to-end WiFi wireless communication system in a real world deployment environment. It will also show how ANSYS HFSS and the DesignerSI circuit tool can be used to create a full RFID systems that includes transponder transmit circuitry, tag receiver circuitry, and a realistic deployment environment that will effect the electromagnetic performance of the system. Lastly, the presentation will cover how HFSS, SIwave and Designer can be used to model EMI generated by cabling and a PCB inside an automobile, as well as how to simulate an entire automobile in a virtual EMI chamber to determine the susceptibility of critical components to external EMI sources.

Speaker Bio:

Markus Kopp is Corporate Product Manager for the ANSYS Electronics products portfolio, which includes such high-frequency tools as HFSS, Maxwell, SIwave, Simplorer and Designer. During the past 13 years, he has progressively held the roles of Application Engineer, Country Manager and Senior Application Specialist, focusing on the high-frequency simulation tools and market. Markus holds a Masters Degree in electrical engineering and a Bachelor of physics, and is based out of Toronto, Canada.

Location: Kitchener, Ontario

Date: Thursday, May 24, 2012

Time: 6:00 p.m. – 9:00 p.m.

Venue: Bingemans
455 Bingemans Centre Drive
Kitchener, Ontario N2B 3X7

Cost: Free with Dinner Provided

Register:

<https://marketing.ansys.com/go/ansysinc/icoseotsn403>

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