# November 17, 2015, 6:00pm – 9:00pm,

**TRATA – The Restaurant at the ARMORY, 145 Culver Road, Rochester, NY 14620**

**Rochester Section Joint Microwave Theory and Techniques & Antennas and Propagation Society presents:**

## *Dinner and an ANSYS Double Feature:*

## *The Electromagnetic Capabilities of ANSYS*
## *&*
## *The State of the Art of High Frequecy Simulation*


**Presented By:**

**Markus Kopp**
**Principal Application Specialist**
**ANSYS Inc.**


**Abstracts:**


Presentation 1: ***The Electromagnetic Capabilities of ANSYS***

Simulation of electronic devices is becoming a mainstream activity for electrical engineers. This presentation will describe the various ANSYS tools that can be used by electrical engineers to help design modern high performance electronic devices and systems. ANSYS tools such as HFSS and SIwave will be discussed as well as new additions like Savant will be presented. Lastly, the ANSYS Electronics Desktop will be presented and how it forms a central role in allowing electrical engineers to model full end to end RF systems.

Presentation 2: ***The State of the Art of High Frequency Simulation***

This presentation highlights some of the latest state of the art simulations that can be achieved by using a hybrid ANSYS HF field solvers and circuit simulator approach to model entire electronic systems. This presentation will show how antenna/platform systems can be designed and optimized in the ANSYS HF Tool set. We will discuss how explicit simulations of antennas and antenna arrays can be modeled in HFSS and combined with an antenna platform such as an aircraft. It will be shown how these simulations can be combined with Savant to achieve solutions to extremely large electromagnetic systems. Additionally, we will present how communication systems can be created in the tool set and show how a realistic environment can be used to obtain true insight into the behavior of an end to end communication system.


**Dinner:**

Dinner will be provided by the MTT / AP Society. There is no fee for the dinner. Guests will order from the menu. http://tratarochester.com/wp-content/uploads/2015/09/trta_MENU_DNNRv22.pdf

**Registration:**

Space is limited in the TRATA conference room, so register early! Please use the following link to register https://meetings.vtools.ieee.org/m/36557.