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## **Design Considerations for Consumer Power Supplies**

by

**Stefan Mozar**

*President of IEEE Consumer Electronics Society (CESoc)*

**DATE:** Wednesday, September 25, 2013.

**TIME:** 6:30 pm – 8:00 pm.

Refreshments and Networking: 6:30 pm – 7:00 pm.

Seminar: 7:00 pm – 7:45 pm.

Q & A: 7:45 pm – 8:00 pm.

**PLACE:** Algonquin College, [1385 Woodroffe Ave.](#), [Advanced Technology Building \(T\)](#), Room T129.

**PARKING:** No fee at the parking lots 8 and 9 at the time of seminar. Please respect restricted areas.

**ADMISSION:** *Free*. Registration required. To ensure a seat, please register by e-mail contacting: [Wahab Almuhtadi](#), [Raed Abdullah](#), or [Branislav Djokic](#).

### **Abstract**

This talk does not discuss the design of power supplies, as this is well known. It will provide a bird's eye view of design considerations which are important in specifying power supplies for consumer products. It covers topics such as dynamic loads, feedback loop stability, thermal considerations, safety aspects, layout issues, EMI/EMC issues. Focus is on constraints that power supplies require for the consumer market.

### **Speaker's Bio**

**Stefan Mozar** is a Chartered Professional Engineer (C.P.Eng.), who lives in Sydney, Australia. His experience includes consumer electronics, telecommunications, and industrial electronics. He spent most of his career in R&D labs; but has also taught for a number of Australian, Asian, and British Universities. He has extensive experience in designing large signal circuits for consumer products. He has worked on four continents. He has worked on projects that won 28 international design awards in a number of countries like Australia, New Zealand, Singapore, Malaysia, Korea, Japan, China, Chile, Argentina, and Brazil.

Stefan is active in the IEEE, and has served on the adcom of the IEEE Consumer Electronics Society (CESoc) for about 15 years. He has held several positions in IEEE CESoc including: VP International affairs, and VP Conferences. He is currently the President of IEEE CESoc.