

A One-day short course on

# DC-DC Converters

Organized by:  
Power Electronics, Industrial Electronics and  
Industry Applications, Societies Joint Chapter of  
IEEE Malaysia Section  
Co-organizer:  
Faculty of Electrical Engineering, UTM

by:

**Assoc. Prof. Dr. Taufik**  
Cal Poly State University,  
San Luis Obispo,  
USA



**July, 19th, 2007**

**9.00am -4.30pm**

**Power Electronics Lab, Block P07,  
Fakulti Kejuruteraan Elektrik,  
Universiti Teknologi Malaysia  
Skudai, JOHOR**

## Short Course Overview

This is a 4 to 6 hour technical short course on dc-dc converter designs. In this short course, basic non-isolated and isolated topologies used in industries today will be covered. Basic operation, along with practical design considerations such as component selections, efficiency considerations will be presented. Current trends in dc-dc converters will also be described. Depending on the time limit, software tools to accompany converter's design may also be included. This short course will be a good supplemental course for students and faculty and it is well suited as a refresher course for practicing engineers.

## Presenter

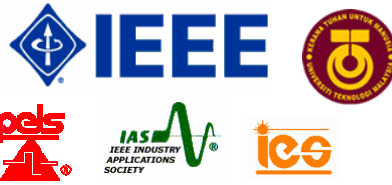


Dr. Taufik was born in Jakarta, Indonesia and graduated as a Valedictorian (out of 500 students) from High School 13, North Jakarta in 1988. He came to the US in 1989 and received his BS in Electrical Engineering with minor in Computer Science and with Cum Laude from Northern Arizona University in 1993, MS in Electrical Engineering and Computer Science from University of Illinois Chicago in 1995, and Doctor of Engineering from Cleveland State University in 1999. He has previous industrial experience with Capstone Microturbine, Rockwell Automation, and Picker International (currently Philips Medical Systems) before joining Cal Poly State University in San Luis Obispo in 1999 where he is currently an Associate Professor. Dr. Taufik has won many teaching awards at Cal Poly and has published numerous technical papers and reports. He is currently working on his book on power electronics. Dr. Taufik's main passion is in teaching and his areas of interest include power electronics and engineering education.

This is a **FREE** short course but registration is required for logistics purposes. **Seats are limited:** first come first serve basis. For registration and more details please email: [nikrumzi@ieee.org](mailto:nikrumzi@ieee.org) or visit [http://ewh.ieee.org/r10/malaysia/ie\\_ia\\_pel/](http://ewh.ieee.org/r10/malaysia/ie_ia_pel/)

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Skudai, Johor

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OR  
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**Venue : Power Electronics Lab, Fakulti Kejuruteraan Elektrik, UTM**

<b>Name and Address of Organisation:</b>			
<b>Name of Contact person:</b>			
<b>Telephone No:</b>		<b>Fax. No:</b>	
<b>Email address:</b>			
<b>Name of participants:</b>			<i>IEEE membership number if applicable</i>
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