

Date:	12-december-2009
Report No:	No.2
Report Type:	ME-CAP Seminar.
Subject:	Seminar Event.
from:	Eng. Ahmed Hashem. Eng. Hassan Mohamed.

## MECAP Seminar No.2

Date: 12/12/2009.

Location: Cairo University.

Title: **Metaguides: composite right / left – handed metamaterial waveguide**

Presenter: **Dr. Islam A. Eshrah**

- Circuit Model of Waveguide in Different Modes of Propagation.
- Why Corrugated Waveguides?
- MOM Solution.
- Dispersion Relation.
- Corrugation Admittance.
- Effective per Unit Length Capacitance & Admittance.
- Asymptotic Corrugation Boundary Conditions.
- Seminar was followed by an open question session where attendants participated by their ideas on the presentation.



**Special thanks to:**



	Name	Position
1.	Prof. Dr. Hadya El Henawy	Dean of Eng. Faculty Ain Shams Univ.
2.	Prof. Dr. Esmat Abdallah	Professor NRC.
3.	Prof. Dr. Huda Boghdady.	Dr. Professor NTI.
4.	Dr. Amr Safwat	Assistant Professor Ain Shams Univ.
5.	Dr. Islam Eshrah	Assistant Professor Cairo Univ.
6.	Dr. Tamer Abou-El-Fadl	Assistant Professor Cairo Univ.
7.	Dr.-Ing. Mohamed El-Hadidy	Assistant Professor GUC & CST GM.
8.	Dr.-Ing. Walaa Khaled	Assistant Professor GUC.
9.	Eng. Abdelrahman El-Kafrawy	Teacher Assistant GUC.
10.	Eng. Mohamed Alaa	Teacher Assistant Cairo Univ.
11.	Eng. Enas Sakr	Teacher Assistant Cairo Univ.
12.	Eng. Akram Hassan	M.Sc. Student GUC.
13.	Eng. Ahmed Hashem	CST Technical Eng.
14.	Eng. Hassan Mohamed	CST Technical Eng.

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## Next Event

Title: **Realistic UWB MIMO Channel Model and Further Applications...**  
Presenter: **Dr.-Ing. Mohamed El-Hadidy**  
Date: Saturday, 9 January 2010  
Place: Ain shams University  
Hall: Microwave lab (3rd floor beside room 323)  
Time: 10:30 AM

**&**

### **CST Tutorial:**

**Live Demo for Antenna Simulation using CST Microwave Studio**

### **Note:**

We are honoured to receive any questions, ideas, and opinions at any time if you wish at the below contacts.

CST Team....

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Eng. Ahmed Hashem,  
Eng. Hassan Mohamed,  
CST-ME Technical Support and Sales Engineers