

# BioMEMS Workshop

*Micro and Nanofabrication in Carbon  
with BIOMEMS applications*

3<sup>rd</sup> December 2014  
Auditorium, Block U,  
Faculty of Engineering,  
University of Malaya



## Prof Marc Madou

Before joining UCI as the Chancellor's Professor in Mechanical and Aerospace Engineering (MEA), Dr. Madou was Vice President of Advanced Technology at Nanogen in San Diego, California. He specializes in the application of miniaturization technology to chemical and biological problems (BIO-MEMS). He is the author of several books in this burgeoning field he helped pioneer both in Academia and in Industry. He founded several micromachining companies and has been on the board of many more.

Many of his colleagues became well known in their own right in academia and through successful MEMS start-ups. Madou was the founder of the SRI International's Microsensor Department, founder and President of Teknekron Sensor Development Corporation (TSDC), Visiting Miller Professor at UC Berkeley and Endowed Chair at the Ohio State University (Professor in Chemistry and Materials Science and Engineering). The third edition of "Fundamentals of Microfabrication," an introduction to MEMS and NEMS, which has become known as the "bible" of micromachining, was published in July of this year.

Chancellor's Professor  
Mechanical & Aerospace Engineering  
and Biomedical Engineering  
University of California  
Fax: (949)824-8585



### Who should attend?

This short course is meant as an introduction for senior undergraduates, graduates and faculty in bioengineering, mechanical and electrical engineering as well as the medical technologists and the business persons who are interested in the next generation of products in the field of diagnostics, and biosensors.

### Tentative

8.30 am : *Registration*

9.00 am : *Introduction to C-MEMS & C-NEMS*

10.30 am : *Coffee Break*

11.00 am : *Recent Developments in Polymer  
and Carbon-MEMS/Carbon-NEMS*

12.30 pm : *Certificates*

### REGISTRATION FEES

IEEE UM Student: RM 100

Non-IEEE UM Student/  
IEEE Student: RM 120

Students: RM 150

UM Staff/ IEEE Member:  
RM 200

Public/Non-IEEE Member:  
RM 300

Registration fee payment can be made via direct bank into Bank Islam account to:

Account name: IEEE UM STUDENT BRANCH

Account No: 1471010005952

Please email us your payment receipt to confirm your registration to:

Email: [iee.umsb@yahoo.com](mailto:iee.umsb@yahoo.com)

Tel/Fax: +603 7967 6878

(Bashar/Lina)

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