



INTRODUCTION

We welcome you to participate in the International Conference on Soft Computing in Data Science 2015 (SCDS2015) which will be held in Pullman Hotel, Putrajaya Malaysia from 2-3 September 2015. The theme of the conference is 'Science in Analytics: Harnessing Data and Simplifying Solutions'. SCDS2015 have invited renowned international and local keynote speakers who are academia or practitioners to share their knowledge and experience in the area of soft computing in data science. This conference aims to provide a platform for researchers and practitioners to share their research work and to create rigorous international research collaborations. SCDS2015 targets participants from universities, government agencies and industries with the ultimate aim of bridging the gap between academia and the industry. Research collaborations between the academia and industry can lead to the advancement of useful analytics and computing applications for providing real time insights and solutions.

Organized by:
Faculty of Computer and Mathematical Sciences
Universiti Teknologi MARA

In collaboration with:



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INTERNATIONAL CONFERENCE ON
**SOFT COMPUTING IN
DATA SCIENCE**
(SCDS2015)

2 - 3 September 2015

PULLMAN HOTEL
PUTRAJAYA



CALL FOR PAPERS

SCDS2015 focus on contribution in theoretical developments and practical applications of soft-computing in data science. The scope includes but is not limited to the following topics:

- Deep Structural Learning
- Evolutionary Computing
- Fuzzy Computing
- Hybrid Methods
- Immunological Computing
- Machine Learning
- Massive Data Storage
- Neuro Computing
- Pattern Recognition
- Probabilistic Reasoning
- Swarm Intelligence

The application areas of interest include but are not limited to:

- Agricultural Machinery and Produce
- Bioinformatics
- Biomedical Engineering
- Data Mining
- Data Visualization
- Decision Support
- Engineering Design Optimization
- Human-Machine Interface
- Image Processing
- Intelligent Agents
- Intelligent Information Retrieval
- Manufacturing Systems
- Multi-objectives Optimization
- Power Systems
- Process Optimization

IMPORTANT DATES

Paper submission deadline:
28th February 2015

Notification of paper acceptance
deadline:
31st March 2015

Submission of 'Camera-Ready' paper
and 'Copyright' form deadline:
15th May 2015

Registration deadline (Early birds):
1st May 2015

Registration deadline:
15th May 2015

Conference dates:
2 - 3 September 2015

KEYNOTE SPEAKERS

Professor Dr. Michael W. Berry
Department of
Electrical Engineering and Computer Science
Department of Mathematics
University of Tennessee, USA

Professor Dr. Do van Thanh
Norwegian University of
Science and Technology

Professor Dr. Tahir Ahmad
Faculty of Science
Universiti Teknologi Malaysia

Dr. Mazlan Abbas, Ph.D
CEO
REDtone IOT

Dr. Dzahar Mansor
National Technology Officer
Microsoft Malaysia

PROGRAM SCHEDULE

Time	Programme
8:30 - 9:00 am	Registration
9:15 - 9:30 am	Introduction
9:30 - 10:30 am	Session 1 - Basics of Python The nuts and bolts of syntax - Beginner Reference Table
10:30 - 11:00am	Tea Break
11:00 - 12:00 pm	Session 2 - File I/O - How to get information in and out of a Python program
12:00 - 12:30 pm	Q & A
12:30 - 2:15 pm	Lunch Break
2:30 - 3:45 pm	Session 3 - Data Visualization (45 minutes) - Graphing and plotting using Matplotlib
3:45 - 4:45 pm	Session 4 Advanced Topics Applying numerical methods using SciPy and NumPy



PROFESSOR DR. MICHAEL W. BERRY

Professor
 Department Honors Coordinator
 CompSci/CompEng Advising Coordinator
[Department of Electrical Engineering and](#)
[Computer Science](#)

Professor
[Department of Mathematics](#)
[University of Tennessee](#)



Data Visualization & Numerical Analysis Using PYTHON

**1 September 2015
(Tuesday)**

Venue
**Faculty of Computer and
 Mathematical Sciences**

OBJECTIVES

The objectives of the workshop are to:

- provide hands-on session on using Python for data visualization
- provide hands-on session on using Python for doing numerical analysis

REGISTRATION FEES:

Participant	Early Bird Register on or before 1st May 2015	Normal Register after 1st May 2015
International	USD220	USD250
Local	RM600	RM650

Registration deadline: 15 May 2015

Payment:

- ☐ International Transfer
- ☐ Bank Draft
- ☐ Cheque
- ☐ Electronic Fund Transfer

Pay to: Bendahari UiTM
Account No: 105140003422
Bank Name: Affin Islamic Bank Berhad
Bank Address: UiTM Shah Alam
Swift Code: AIBBMYKL

****Attach your payment draft/transaction slip/ bank slip to the filled registration form and fax or email to Dr. Fariza Hanis Abdul Razak at: fariza@tmsk.uitm.edu.my**

REGISTRATION FORM

Please fax or email this registration form to:

Faculty of Computer & Mathematical
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40450 Shah Alam
Selangor DarulEhsan

Tel: 03 55211231/5461/5329

Fax: 03 55435501

(Attention: Dr. Fariza Hanis Abdul Razak)

fariza@tmsk.uitm.edu.my

Title (if any):

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Name:

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Company/Organization:

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Mailing Address:

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Telephone No:

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Email:

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..... /..... /

Signature

Date

Cancellation

- Written notification of registration cancellation must be e-mailed to fariza@tmsk.uitm.edu.my by **3 August 2015**.
- If registration cancellation is received by **3 August, 2015**, registrant will receive 70% refund of the registration fees.
- No refund of registration fees will be issued if cancellation notice is submitted after **3 August, 2015**.