Introduction

The 8th Annual Seminar on Science and Technology (S&T) 2009 is organized by School of Science and Technology, Universiti Malaysia Sabah. This seminar marks the continuation of the 7th Seminar S&T held in 2008, which had successfully gathered many presenters. S&T provides an avenue for the dissemination, sharing and discussion of completed research works and on-going research activities. We hope to highlight research output, on-going research works and future direction of research activities of young and new lecturers and academicians within the university on science and technology related fields. In conjunction with the theme of the seminar ‘Science and Technology Advancement Towards 1UMS’ we hope to help establish and enhance multi-disciplinary collaboration research for advancing research and development.

S&T 2009 aims to continue the tradition of active participation from respective new and young academicians. The organizer believes this year would see an exciting opportunity to experience more diverse course among academic staff.

Participation Fee

<table>
<thead>
<tr>
<th></th>
<th>Early birds Before 23 Oct 2009</th>
<th>After 23 Oct 2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academicians</td>
<td>RM 250</td>
<td>RM 300</td>
</tr>
<tr>
<td>Post-Graduate students</td>
<td>RM 100</td>
<td>RM 150</td>
</tr>
</tbody>
</table>
Niche Areas of Research

Authors are invited to submit original manuscripts that demonstrate current research in all areas of science and technology. Areas of interest include but not limited to:

- Sustainable energy
- Sustainable environment
- Materials and minerals
- Mathematics and statistical applications
- Natural products and drug discovery
- Bio-resource technology

All newly appointed lecturers, researches and Postgraduate students from science and technology related schools and institutes are welcome to participate in the seminar.

- School of Engineering and Information Technology
- School of Science and Technology
- School of Food Science and Nutrition
- School of International Tropical Forestry
- School of Medicine
- School of Sustainable Agriculture
- School Informatics Sciences, Labuan
- Borneo Marine Research Institute
- Tropical Biology and Conservation Institute
- Biotechnology Research Institute (BRI)

Abstract and Full Papers Format

Submission of abstracts and full papers should adhere to the following requirements:
- Language : English
- Format : E-mail attachment
- Word processor : MS Word
- Margins : 2.5cm all around
- Titles of abstract : Tahoma font, 14 point, bold
- Abstract : Tahoma font, 11 point (no more than 300 words)
- Body of paper : Tahoma font, 12 point
- Document name : use your last name and initial of your first name, followed by S&T2009, e.g Ali_B_S&T2009
- Presenter details: Tahoma font, 11 point, including name of presenter, position and institution, contact details

The organizer reserves the right to make changes on the date and venue of the seminar due to unforeseen circumstances. For enquiries, please contact:

Rubia Idris S&T 2009 Secretary
School of Science and Technology Universiti Malaysia Sabah
88999 Kota Kinabalu, Sabah
Tel: 088-320000 ext 5647
E-mail: sst08@ums.edu.my
For further information please log on to our website wwwsst.ums.edu.my
**Tentatif Program Seminar Sains & Teknologi 2009**

Tempat :  **Shangri-La’s Rasa Ria Resort, Kota Kinabalu**

Tarikh :  **18 – 19 December 2009**

Thema :  **Science and Technology Advancement Towards 1 UMS**

---

**Hari Pertama (18 December 2009)**

0800 – 0930 :  Pendaftaran Peserta

0930 - 1030 :  Majlis pembukaan

1030 – 1100 :  Minum Pagi

1100 – 1130 :  Ucaptama 1

1130 – 1300 :  Pembentangan Selari Sesi 1

1300 – 1400 :  Makan Tengahari

1400 – 1545 :  Pembentangan Selari Sesi 2

1545 - 1600 :  Minum Petang

1600 – 1730 :  Pembentangan Selari Sesi 3

1900- 2200 :  Banquet seminar (Semua peserta)

**Hari Ke-dua (19 December 2009)**

0900 – 1000 :  Pembentangan Selari Sesi 4

1000 - 1045 :  Ucaptama 2

1045 – 1100 :  Minum Pagi

1100 – 1300 :  Pembentangan Selari Sesi 5

1300 – 1330 :  Majlis Penutup

1330 - 1430 :  Makan Tengahari

1430 :  Seminar berakhir