



الهندسة الطبية في المملكة العربية السعودية Biomedical Engineering in Saudi Arabia

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Biomedical Engineering in Saudi

- Several institutes around the Kingdom provide programs in Biomedical Engineering:
 - King Abdulaziz University, College of Engineering, Electrical and Computer Engineering Department (Biomedical Option).
 - King Saud University, Applied Medical Sciences.
 - University of Dammam (Girls only), College of Engineering, Biomedical Engineering.
 - King Faisal University (coming soon), College of Engineering, Biomedical Engineering.
 - Several institutes have two year diploma programs for biomedical technicians.



الجمعية العلمية السعودية للهندسة الطبية
Saudi Scientific Society for Biomedical
Engineering (SSSBE)





History of SSSBE

- Several attempts were made to establish the Biomedical Society starting from the 90s.
- King Abdulaziz University Council approved the establishment of the society in 2003.
- The society is registered under the college of Engineering, KAU.
- The society follows the regulations of scientific societies under the ministry of Higher Education, Saudi Arabia.



Current Board

- Several board members were out of the country for a long time.
- On Feb 2012, a new board was formed:
 - Chair: Nazeeh Al-Alothmany, PhD, King Abdulaziz University
 - Vice Chair: Ahmad Al-Barrak, PhD, King Saudi University
 - Treasurer: Eng. Rafat Salama, Health Services Company
 - Abdulhameed Al-Khateeb, PhD King Abdulaziz University
 - Sarah Haji, PhD, King Abdulaziz University
 - Ibrahim Andijani, PhD, Prince Sultan Military Medical City
 - Salah Alkhallagi, PhD, King Abdulaziz Medical City.
 - Eng. Mahmoud Maqsoud Shah, King Fahad Hospital
 - Eng. Noran Baik, King Abdulaziz University Hospital
 - Eng. Ahmad Qashqari, GE Medical Systems
 - Eng. Sameer Abu Al-Looz, Al-Salehieya Est.

Mission of SSSBE

1. Advancing and promoting professionalism in the area of Biomedical Engineering.
2. Enhancing scientific and professional exchange of experience between the members of the society.
3. Providing scientific, practical and theoretical consultations in Biomedical Engineering.
4. Promoting Arabic Language in the area
5. Enhancing the performance of Biomedical Engineers
6. Promoting the exchange of experiences between groups and other societies inside and outside the kingdom of Saudi Arabia
7. Acting as a bridge between the university and other organizations, institutes and groups working in the area.

Objectives of SSSBE

1. Forming committees and special groups specialized in the different areas of Biomedical Engineering.
2. Supporting and encouraging research in theoretical and clinical areas of interest to the society.
3. Conducting seminars, trainings and conferences.
4. Translating articles and references into Arabic.
5. Publishing a periodical or a magazine in the areas associated with biomedical engineering.

Objectives of SSSBE

6. Providing consultations to parties interested in Biomedical Engineering,
7. Promoting the use of technology, informatics and artificial intelligence in areas associated with Biomedical Engineering.
8. Providing platforms for the exchange of experience and information with other societies sharing similar interests.
9. Organizing trips, trainings and competitions to Biomedical Professionals
10. Providing support and advice to Biomedical Engineering students in choosing training venues and carrier choices.



SSSBE Activities

- Social Meetings.
- Scientific Meetings
 - Kidneys and Dialysis Machines (110)
 - Medical Navigation Systems (70)
 - Breast Cancer Detection Devices (90)
 - Special Topics in BME (Nano, Tissue Eng, Stem cells) (120)
 - Sterilization Machines (90)
 - Radio Therapy (Linear Accelerators) (110)
 - Labview instrumentation
- 2012 Biomedical Summit (600)
- 2012 Biomedical Engineering Symposium.
- Troubleshooting Medical and Electrical equipment (41)



SSSBE Activities

- Providing Summer Training Opportunities for KAU-BME students
- Coordinating a regular training with company for BME students (10 students went to Germany sponsored by Alfaisaliya)
- Participating in KAU Engineering Day and Ministry of Higher Education Ibda conference with student senior projects:
 - Economic Home based ECG Monitor
 - ECG based Motor Control
 - Automatic ECG Arrhythmia detector using Time frequency Analysis
 - Hospital equipment locator
 - ECG based Treadmill control
 - OSL Dossimetry
 - Nano fibers electric stimulations for bone healing
 - Urology novel diagnostic device
- Many more seminars and educational events



Why SSSBE?

- Improve Health Care through
 - Seminars and trainings for Biomedical Professionals.
 - Consultations on issues related to Biomedical Engineering.
 - Support the standardizing of issues related to Biomedical Engineering.
 - Collaborate with local and international organizations working in Biomedical Engineering
 - Support and encourage conducting and publishing research in theoretical and practical areas associated with the interests of the society.



How can you help?

- This society is yours !!!!
- It is for all those who are working in the biomedical field regardless of city/location or nationality
- Get enrolled today and fill the online membership form
- Members receive discounts on future events and activities.
- Companies can donate/sponsor trainings and activities.
- Volunteer with your ideas/time to support the activities of the society.





Visit our website to register now

Saudi Scientific Society for Biomedical Engineering

Url: <http://sssbe.kau.edu.sa>

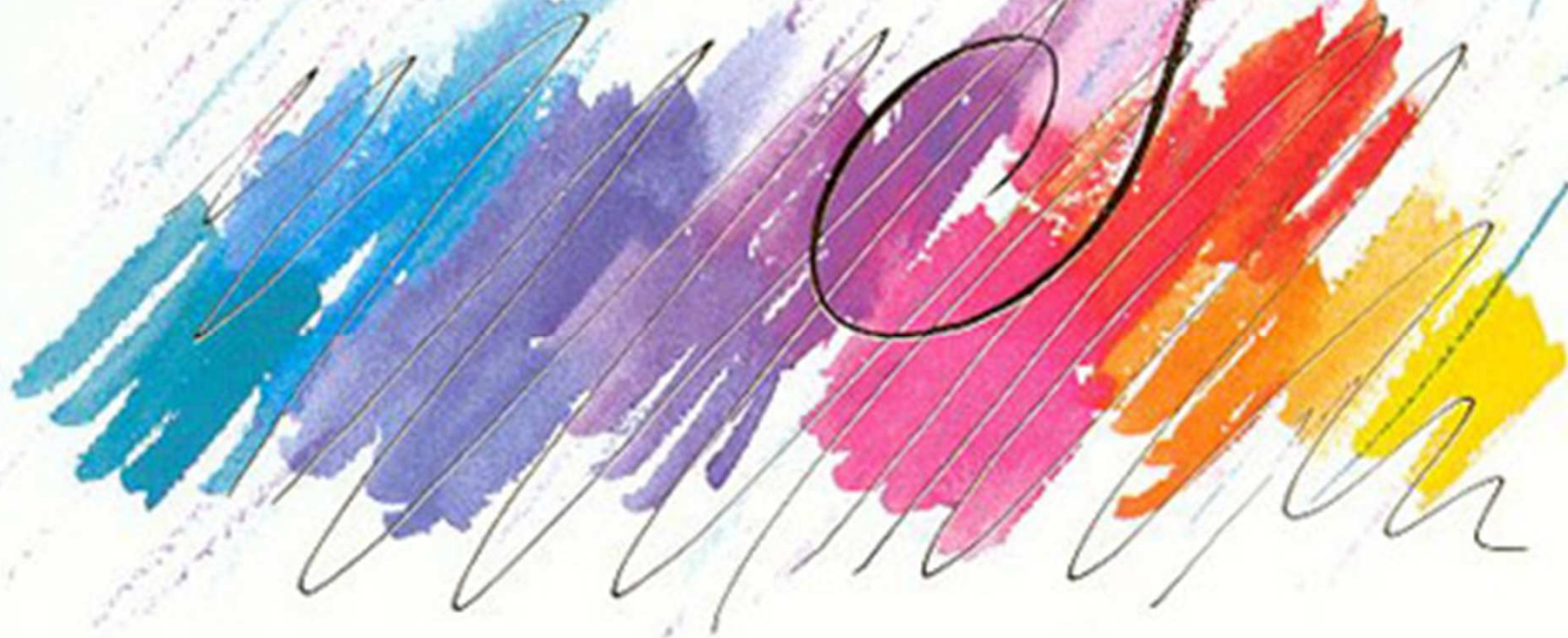
Facebook: www.facebook.com/sssbe

Email: eng.sssbe@kau.edu.sa

Biomedical Engineers involvement in Saudi Arabia:

- Hospitals
- Medical Equipment Companies
- Saudi Food and Drugs Authority SFDA
- Central Board Accreditation for Healthcare Institution CBAHI
- Saudi Commission for Health Specialties SCFHS
- Saudi Council of Engineering

Thank You!



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- <http://sssbe.kau.edu.sa>
 - <http://sfda.gov.sa>
 - <http://cbahi.org>
 - <http://scfhs.org>
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