

Mahmoud Abdulaziz M. Al-Rumaima

Dean, Faculty of Engineering
University of Science and Technology (UST)
Sana'a –Yemen

PERSONAL INFORMATION

Date of Birth: 07.08.1981

Place of Birth: Taiz – Yemen

Nationality: Yemeni

Marital Status: Married

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EDUCATION

2008- 2012 **Ph.D., Biomedical Engineering**
Saint-Petersburg State Electrotechnical University"LETI", Russia

2005-2007 **Master** of Science in Engineering and Technology, **Biomedical Engineering**
Saint-Petersburg State Electrotechnical University"LETI", Russia.

2001-2005 **Bachelor** of Science in Engineering and Technology, **Biomedical Engineering**
Saint-Petersburg State Electrotechnical University"LETI", Russia.

RESEARCH INTERESTE

Telemedicine/ Telehealth, Biotechnical Systems, Biomedical Signal Processing, Medical Information Technology, Evaluation of clinical information system.

PROFESSIONAL EXPERIENCE

Oct. 2014 – present **Dean**, Faculty of Engineering,
University of Science and Technology (UST), Sana'a -Yemen.

Dec. 2014- present **Project consultant**, Medical Equipment Management Project –CRDF,
National Center of Public Health Laboratories (NCPHL)- Sana'a,
Yemen

Aug. 2014- Oct.2014 **Vice dean** , Faculty of Engineering
University of Science and Technology (UST), Sana'a -Yemen.

April 2013– Oct. 2014 **Head**, Biomedical Engineering Department, UST, Yemen.

- April 2012 – present **Assistant Professor**, Dept. of Biomedical Engineering, UST, Yemen.
- July 2007- Sep.2008 **Assistant Lecturer**, Dept. of Electronic Engineering, UST, Yemen.
- July 2007- Sep.2008 **Supervisor**, Biomedical Engineering Program,
Dept. of Electronic Engineering, UST, Sana'a - Yemen.

COURSES TAUGHT

- Medical equipment I
- Safety of BM equipment
- Biomedical Engineering Design
- Introduction to Biomedical Engineering
- Health systems management.
- Seminar in Biomedical Engineering
- Clinical Engineering I&II
- Measurements and Instrumentations II
- Electrical Engineering II
- Signals, Systems and Networks II
- Graduation Project I
- Graduation Project II
- Bio-analytical Instruments (*for MSc students*).

SUPERVISED GRADUATION PROJECTS

- Vein finder
- ECG tester
- NI my DAQ Fetal Doppler Phantom
- Design of Infusion Pump
- Wireless ECG
- Incubator Temperature Control System
- Management of medical equipment
- Ultrasound to Detect Bone Densitometer
- Portable ECG
- Portable Dental Unit
- Design of Infrared Thermometer

PUBLICATIONS

- Fadhl M. Al-Akwaa, Husam Elhetari, Noman Al Nggar and **Mahmoud A. Al-Rumaima**, Comparison of the 3D Protein Structure Prediction Algorithms, *Int. Journal of Engineering Research and Applications*, Vol. 4, Issue 2 (Version 1), February 2014, pp.462-467
- Fadhl Al-akwa, Noman Al Nggar, **Mahmoud Al-Rumaima**, Scientific research in Yemen: Reality and Ambition, *science-press journal*, 2013
- **Mahmoud Abdulaziz Al-Rumaima**, Choice of performance criteria telemedicine system of extreme geographical zones. *Biomedical electronics*. 2011, №5.-C.66-69.
- **M.A. Al-Rumaima**. Features of application of telemedicine systems in mountain regions. *Ukrainian Journal of Telemedicine and Medical Telematics*.-2010.-Vol.8, №2.-P.167-169.
- **Al-Rumaima M.A.**, The organization of telemedicine consultations in mountain areas//XXXIX Week of a science SPBSTU: materials of the international scientific and practical conference, Saint Petersburg, Russia,2010.-C.69-70
- **Al-Rumaima M.A.**, The concept of telemedicine systems development adapted to conditions of mountain areas// materials of IV International Scientific congress “NeuroBioTelecom- 2010”, Saint Petersburg, Russia,2010.-C.148-152.
- Y.I. Senkevich, **M.A. Al-Rumaima**. Researches experience of a person’s adaptation in the conditions of mountain areas. *Biomedical electronics*.2009,№11, ,63-66
- **Al-Rumaima M.A.**,To the question of telemedicine application in the upland regions, materials of XIV Russian National congress “People and health”, Saint Petersburg, Russia,2009.- №3(37).-C.183-184
- **Al-Rumaima M.A.**, To a question of influence of extreme factors in mountain areas on development of telemedicine systems./Materials of All-Russia school of sciences on biomedical engineering, Saint Petersburg, Russia,2009.-C.207-211.

CONFERENCE/WORKSHOP ATTENDED

- Four days XIV Russian National congress “People and health”, 20-23 October 2009, Saint Petersburg, Russia.
- International Conference «Telemedicine– Experience@Prospects” supported by International Society for Telemedicine & Health (ISfTeH),24-25 March, 2010, Donetsk, Ukraine.
- All-Russian Scientific School of Biomedical Engineering «BME-2009»,LETI university, 26-30 October, 2009, Saint Petersburg, Russia,
- IV International Scientific congress “NeuroBioTelecom- 2010”, 7-10 December, 2010, Saint Petersburg, Russia.
- International Scientific-Practical Conference, XXXIX Science Week in St. Petersburg State Polytechnical University, 6-11 December, 2010, Saint Petersburg, Russia.

TRAINING AND WORKSHOP ATTENDED

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| 27May-8 June 2015 | Training Certificate, training course ”ADVIA CBC 2120i, Centaur XP, Centaur CP – Field service & maintenance “, National Center of Public Health Laboratories (NCPHL) and SIEMENS company (BAINOUNAH)- - Sana'a, Yemen |
| 6 May 2015 | Participation Certificate , training workshop: ”Microscope Care & Maintenance”, National Center of Public Health Laboratories (NCPHL)- Sana'a, Yemen |
| 21-22 April 2015 | Participation Certificate , training workshop: “Water Purification Systems”, National Center of Public Health Laboratories (NCPHL)- Sana'a, Yemen |
| 3 April 2014 | Training Certificate , Problem solving skills and decisions making (Theory TREZ), Consultant& Development Center, UST, Yemen |
| 1-2 March 2014 | Training Certificate , Scientific Research Publishing, UST, Yemen |
| 22 Sep.2013 –1 Jan. 2014 | Course Certificate , Effective Teaching Strategies, UST, Yemen. |
| 17 April – 4 June 2013 | Course Certificate , Measurement and evaluation in higher education, UST, Yemen. |
| 2 July 2013 | Training Certificate , Preparing Self Evaluation Document for academic Programs, UST, Yemen |
| 13April–5 June 2013 | Certificate , Development Program Specification Document (PSD) for Biomedical Engineering Program, UST, Yemen. |
| 5-17 January 2013 | Training Certificate for Biomedical Lab, Electronics& training systems Manufacturing (Beda Precision), Saudi Arabia. |
| 18-19 Dec.2012 | Course Certificate , Research Methodology and Practical Biostatistics Course (SPSS), Ataturk University-Turkey and UST University- Yemen. |
| Four months2008 | Certificate in English language, YALI institute, Yemen |
| 13-14 August 2008 | Training Certificate , Analyzing results of students, UST, Yemen. |
| 3 - 4 June 2008 | Training Certificate , Graduation projects evaluation, UST, Yemen. |
| 17 - 19 Feb. 2008 | Training Certificate , Design and evaluation of examinations, University of science &Technology (UST), Yemen |

COUNCILS AND COMMITTEES

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|----------------------------|---|
| Oct. 2014 – present | Chairman , Engineering Faculty council- UST, Yemen |
| Oct. 2014 – present | Member , Deans' council -UST, Yemen |
| April 2013– Oct. 2014 | Member , Engineering Faculty council- UST, Yemen |
| April 2013– Oct. 2014 | Chairman , Council of Biomedical Engineering Dept. -UST, Yemen |
| April 2012- April 2013 | Member , Council of Biomedical Engineering Dept. -UST, Yemen |
| Academic year 2013-2014 | Chairman , Committee to prepare a program specification document of the master's program in Biomedical Engineering-UST |
| Academic year 2013-2014 | Member , Committee to prepare a study of self-evaluation of the master's program in BME , UST |

SPECIAL SKILLS

Languages:

- Arabic (mother tongue)
- English (very good)
- Russian (excellent).

Computer skills:

- Proficient at MS Office applications and internet use.
- Engineering Software: MatLab, Mathcad; LabView, SPSS

Others: Russian/ Arabic translation, planning, reporting thinking.

REFERENCES

Available upon request.