

**Mohammed Salah Al-Radhi, PhD**

BME-TMIT, Magyar tudósok krt. 2, 1117 Budapest, HUNGARY | malradhi@tmit.bme.hu

**EXPERIENCE:**

Sep 2016 – Sep 2020	PhD candidate
Oct 2020 – present	Postdoctoral researcher at BME

**EDUCATION:**

2020	PhD (hons & summa cum laude) in Computer Engineering, Budapest University of Technology and Economics (BME), Hungary
2013	MSc (hons) in Communication Systems Engineering, University of Portsmouth, UK
2008	BSc (1 <sup>st</sup> class) in Computer Engineering, University of Basra, Iraq

**RESEARCH INTEREST:**

- Speech signal processing
- Machine and Deep learning
- Vcoders and speech synthesis
- Voice conversion and conversational speech

**AWARDS AND SCHOLARSHIPS:**

2016	PhD Stipendium Hungaricum scholarship, Budapest University of Technology and Economics, Hungary.
2014	Award 1st prize, Rumaila Golden Winner, for Respect – Determination - Personal Ownership - One team, Rumaila operating organization, Iraq.
2012	Award 1st prize, MSc Top Student Certificate – MSc Communication Systems Engineering, University of Portsmouth, UK.
2011	MSc award scholarship, University of Portsmouth, UK.
2008	Award 1st thesis BSc prize, University of Basra, Iraq.

**TEACHING EXPERIENCE AT BME (2018 - PRESENT):**

- Supervised 2 BSc and 8 MSc students on their projects laboratory
- Co-supervise of 1 MSc student on his MSc dissertation
- Supervising and evaluating the international MSc students in the laboratory of Smart City
- Evaluate and rate MSc students on their project laboratory (report + presentation)
- Evaluate the assignment of MSc students on their deep learning and Human-Computer Interaction subjects.

## PROFESSIONAL ACTIVITY

2019 – 2021	<b>MIEICE</b> – Member of the Institute of Electronics, Information and Communication Engineers (IEICE), Japan
2012 – 2016	<b>MIET</b> – Member of the Institution of Engineering and Technology (IET), England
2017 – Present	<b>IEEE</b> – Member of the Institution of Electrical and Electronic Engineering
2017 – 2019	<b>ISCA</b> – Member of the International Speech Communication Association
2016	<b>Volunteer</b> – EUSIPCO (24th European Signal Processing Conference), Budapest

## SELECTED PAPERS

- [1]. Mohammed Salah Al-Radhi, Tamás Gábor Csapó, Géza Németh, Continuous noise masking based vocoder for statistical parametric speech synthesis, *IEICE Transactions on Information and Systems*, E103-D (05), 2020.
- [2]. Mohammed Salah Al-Radhi, Omnia Abdo, Tamás Gábor Csapó, Sherif Abdou, Géza Németh, Mervat Fashal, A continuous vocoder for statistical parametric speech synthesis and its evaluation using an audio-visual phonetically annotated Arabic corpus, *Computer Speech and Language*, ScienceDirect, 60, pp. 1-15, 2020.
- [3]. Mohammed Salah Al-Radhi, Tamás Gábor Csapó, Géza Németh, Noise and acoustic modeling with waveform generator in text-to-speech and neutral speech conversion, *Multimedia Tools and Applications*, 79, Springer, pp. 1-26, 2020.
- [4]. Mohammed Salah Al-Radhi, Tamás Gábor Csapó, Géza Németh, Time-domain envelope modulating the noise component of excitation in a continuous residualbased vocoder for statistical parametric speech synthesis, in *Proceedings of the Interspeech*, pp. 434-438, Stockholm, Sweden, 2017.
- [5]. Mohammed Salah Al-Radhi, Tamás Gábor Csapó, Géza Németh, RNN-based speech synthesis using a continuous sinusoidal model, in *Proceedings of 28 International Joint Conference on Neural Networks (IJCNN)*, pp. 1-8, Budapest, Hungary, 2019.
- [6]. Mohammed Salah Al-Radhi, Tamás Gábor Csapó, Géza Németh, A continuous vocoder using sinusoidal model for statistical parametric speech synthesis. *Speech and Computer, Lecture Notes in Computer Science*, vol 11096. Springer, pp. 11-20, Leipzig, Germany, 2018.