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 (1st class) in Computer Engineering, University of Basra, Iraq

RESEARCH INTEREST:

- Speech signal processing
- Machine and Deep learning
- Vocoders 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 BSc and MSc students on their projects laboratory
- Co-supervise of MSc student on MSc dissertations
- 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	**MIEICE** – Member of the Institute of Electronics, Information and Communication Engineers (IEICE), Japan
2012 – 2016	**MIET** – Member of the Institution of Engineering and Technology (IET), England
2017 – Present	**IEEE** – Member of the Institution of Electrical and Electronic Engineering
2017 – 2019	**ISCA** – Member of the International Speech Communication Association
2016	**Volunteer** – 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, Sweeden, 2017.

[5]. Mohammed Salah Al-Radhi, Tamás Gábor Csapó, Géza Németh, RNN-based speech synthesis using a continuous sinusoidal model, in Procedings 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.