BHUSAN CHETTRI

CONTACT INFORMATION

School of Electronic Engineering and Computer Science
Eng. 109
Queen Mary University of London
Mile End Road London E1 4NS
United Kingdom

Phone: +44-7463206621
E-mail: b.chettri@qmul.ac.uk

RESEARCH INTEREST

Machine learning and its application in Speech Technology such as Automatic Speaker Recognition, Language Recognition, Speech Recognition and Text-to-Speech synthesis.

EDUCATION

Ph.D. in Electronic engineering Oct 2016 - Present
Queen Mary University of London, UK
- Design, analysis and evaluation of an anti-spoofing system using deep learning.
- Supervisors: Dr. Bob L. Sturm and Dr. Emmanouil Benetos

MSc in Speech and Language Processing (SLP) Sep 2013 - Sep 2014
The University of Sheffield, UK
- Supervisor: Dr. Thomas Hain
- Passed with distinction (73%) and topper of the batch in SLP

B.Tech. in Computer Science and Engineering July 2001 - June 2005
Sikkim Manipal University, Sikkim, India
- Passed with distinction: 72 %

RESEARCH PUBLICATIONS

B. Chettri, S. Mishra, Bob L. Sturm, E. Benetos, "An analysis of an end-to-end replay spoofing detection system", submitted in InterSpeech 2018.

B. Chettri, S. Mishra, Bob L. Sturm, E. Benetos, "A Study On Convolutional Neural Network Based End-To-End Replay Anti-Spoofing", submitted in Speaker Odyssey 2018.

B. Chettri, Bob L. Sturm, "A Deeper Look At Gaussian Mixture Model Based Anti-Spoofing Systems", accepted in ICASSP 2018.

B. Chettri, Bob L. Sturm, "A deeper look at the 2017 ASV spoof challenge", in Proc. of the Digital Music Research Network (DMRN) Workshop, December 19, 2017.

Raymond WM Ng, Mauro Nicolao, Oscar Saz, Madina Hasan, **Bhusan Chettri**, Mortaza Doulaty, Tan Lee, Thomas Hain, "The Sheffield language recognition system in NIST LRE 2015", Proceedings of The Speaker and Language Recognition Workshop Odyssey 2016

Raymond WM Ng, **Bhusan Chettri**, Thomas Hain, "Combining Weak Tokenisers for Phonotactic Language Recognition in a Resource-Constrained Setting", in Interspeech 2016.

Om Prakash Singh, BC Haris, Rohit Sinha, **Bhusan Chettri**, Abhishek Pradhan, "Sparse representation based language identification using prosodic features for Indian languages", Annual IEEE India Conference (INDICON) 2013.

EXPERIENCE

Department of EECS, QMUL, London, UK Jan 2018 - Aug 2018
Associate Lecturer
- Co-teaching Data Analytics (ECS784) module with Dr. Anthony Constantinou.

The SPandH Research Group, Sheffield University, UK Oct 2014 - Aug 2016
Research Assistant
- Worked in ASR, Language recognition under the Natural Speech Technology Project.
- Supervisor: Prof. Thomas Hain.

CS Department, Sikkim Manipal University, India Aug 2006 - Aug 2013
Assistant and Associate Professor
- Taught undergraduate and post-graduate students of Computer Science.

FELLOWSHIPS AND AWARDS

Fully funded Queen Mary Principal Research Studentship award to study PhD at QMUL, UK.

TECHNICAL SKILLS

Programming skills : C, C++, Python, Java.
Operating systems : Linux, Windows.
Machine learning libraries : Scikit-learn, TensorFlow.
Tools : Audacity, Sonic visualizer, Git, LaTeX, Matlab.