UK & IE Speech Meeting, Birmingham, Dec 17-18, 2012

Monday, December 17, 2012

12:00 -- 12:10
Welcome message by Mark Huckvale.
Local information by Martin Russell.

12:10 -- 12:40
Speech, Audio and Acoustic Signal Processing at Imperial
Presented by: Patrick A. Naylor

12:40 -- 13:10
Speech in noise: research into production, perception, measurement and modelling at UCL
Presented by: Mark Huckvale

13:10 -- 14:00
Catered Lunch

14:00 -- 14:30
Audio and Visual Speech Processing at UEA
Presented by: Stephen Cox

14:30 -- 15:00
Research in Speech and Language Technology at the School of Electronic, Electrical and Computer Engineering, University of Birmingham
Presented by: Martin Russell

15:00 -- 15:30
Overview of the CUED Speech Group
Presented by: Phil Woodland

15:30 -- 16:00
Machine Audition at CVSSP
Presented by: Wenwu Wang

16:00 -- 16:30
Break

16:30 -- 18:00
Poster session

1. ABAIR:multi-dialect Irish synthesis
   Neasa Ni Chiarain, Christoph Wendler, Harald Berthelsen, Ailbhe Ní Chasaide

2. An analysis of parameter generation considering global variance
   Matt Shannon, William Byrne

3. Audio Applications of Speech Algorithms: Automatic Analysis of Bird Vocalisations
   Peter Jančovič, Münevver Köküer, Masoud Zakeri, Martin Russell

4. CogWatch: an unfamiliar application of some familiar techniques
   Chris Baber, Emilie Jean-Baptiste, Roozbeh Nabiei, Manish Parekh, Martin Russell

5. Confusion Modelling using Weighted Finite-State Transducers for Automated Lip-reading
   Dominic Howell

6. Contrasting the Effects of Different Frequency Bands on Speaker and Accent Identification
   Saeid Safavi, Abualsoud Hanani, Martin Russell, Peter Jančovič, Michael J Carey

7. Efficient Decoding with Generative Score-Spaces Using the Expectation Semiring
   Rogier C. van Dalen, Anton Ragni, and Mark J. F. Gales

8. Enhancing Speech by Reconstruction from Robust Acoustic Features
   Philip Harding, Ben Milner

9. Expressive Visual Speech Synthesis
   Felix Shaw

10. Improved Detection Of Anomaly Ball-Hit Events In A Tennis Game Using Multimodal Information
    Qiang Huang, Stephen Cox

11. Improving computer lip-reading with machine learning
    Yogi Bear

12. Iterative Classification Of Regional British Accents In I-Vector Space
    Andrea DeMarco, Stephen J. Cox

13. Language Identification by using IPA (International Phonetic Alphabet)
    Zhuoyi Dai

14. Model-based approaches to robust speech recognition in reverberant environments
    Yongqiang Wang, Mark Gales

15. Objective Evaluation of Naturalness Perception in Singing Voice Synthesis
    Ryan Stables, Münevver Köküer, Cham Athwal

16. Paraphrastic Language Models
    Xunying Liu, Mark Gales & Phil Woodland

17. Performance-Based Measurement of Speech Quality
    Mark Huckvale

18. Rapid Compact Nonlinear Adaptation for Large-Vocabulary Speech Recognition
    Zoi Roupakia, Mark Gales

19. Separation and Enhancement of Reverberant Speech Mixtures using Binaural cues, Statistical properties and Precedence effect
    Atiyeh Alinaghi, Wenwu Wang & Philip Jackson

20. Single-Channel Speaker Separation Using Visual Speech Features
    Faheem Khan, Ben Milner

21. Speech Graphics audio-driven facial animation demo
    Michael Berger, Gregor Hofer

22. The BUDS POMDP Spoken Dialogue System
    Matthew Henderson, Martin Szummer, Catherine Breslin, Milica Gasic, Dongho Kim, Blaise Thomson, Pirros Tsiakoulis, Steve Young

23. The role of accent in fast adaptation for automatic speech recognition
    Maryam Najafian, Martin Russell, Mike Carey

24. Transformation of the Glottal Parameters of an HMM-based Speech Synthesiser for Controlling Voice Quality
    João P. Cabral, Julie Carson-Berndsen

25. View Independent Computer Lip-Reading
    Yuxuan Lan, Barry-John Theobald, Richard Harvey

26. Voice prosody: a holistic approach
    Irena Yanushevskaya, Christer Gobl, Ailbhe Ní Chasaide

Tuesday, December 18, 2012

9:00 -- 9:20
Overview of the Sigmedia Group at Trinity College Dublin
Presented by: Naomi Harte

9:20 -- 9:40
Introduction to the Speech Communication Lab at Trinity College Dublin
Presented by: Nick Campbell

9:40 -- 10:00
Novauris Technologies Ltd
Presented by: John Bridle

10:00 -- 10:30
Sheffield SPandH 2012
Presented by: Phil Green

10:30 -- 11:00
Break

11:00 -- 12:30
Poster session

1. A comparative study of adaptive, automatic recognition of disordered speech
   Heidi Christensen, Stuart Cunningham, Charles Fox, Phil Green, Thomas Hain

2. A "Direct" Speech Synthesis Approach for a Medical Speech Aid
   Robin Hofe

3. Analysis of Speaker Clustering Strategies for HMM-Based Speech Synthesis
   Rasmus Dall, Christophe Veaux, Junichi Yamagishi, Simon King

4. Articulatory features for speech driven head motion synthesis
   Atef Ben-Youssef, Hiroshi Shimodaira, David A. Braude

5. Automatic Transcription Of Academic Lectures From Diverse Disciplines
   Ghada AlHarbi, Thomas Hain

6. C2H: A Computational Model of H&H-based Phonetic Contrast in Synthetic Speech
   Mauro Nicolao, Javier Latorre, Roger K. Moore

7. Compensating for Ageing and Quality variation in Speaker Verification
   Naomi Harte

8. Cross-Lingual Knowledge Transfer In DNN-Based LVCSR
   Pawel Swietojanski, Arnab Ghoshal, Steve Renals

9. Dirichlet Process Mixture of Experts models in Speech Recognition
   Jingzhou Yang, Mark Gales, Rogier van Dalen

10. Exploiting Long-Range Temporal Dynamics Of Speech For Noise-Robust Speaker Recognition
    Ayeh Jafari, Ramji Srinivasan, Danny Crookes, Ji Ming

11. GloRi: the Glottal Research Instrument
    John Dalton, John Kane, Christer Gobl

12. inEvent: Accessing Dynamic Networked Multimedia Events
    Fergus McInnes, Catherine Lai, Steve Renals, Jean Carletta

13. Low-level and high-level models of perceptual compensation for reverberation
    Amy V. Beeston and Guy J. Brown

14. Maximum a Posteriori Adaptation of Subspace Gaussian Mixture Models for Cross-lingual Speech Recognition
    Liang Lu, Arnab Ghoshal, Steve Renals

15. Movement Based Parametrisation for Speech Driven Head Motion Synthesis
    David Braude, Hiroshi Shimodaira

16. New algorithms in voice processing
    John Kane, Christer Gobl

17. Progress and Prospects for Speech Technology: Results from Three Sexennial Surveys
    Roger K. Moore

18. Recovering training data from rough transcriptions in a damaged found corpus
    Charles W Fox, Thomas Hain

19. Single-Channel Speech Separation, Speech Enhancement and Bandwidth Expansion Based on Composition of Longest Segments - CLOSE
    Ji Ming, Danny Crookes

20. Transcription of multi-genre media archives using out-of-domain data
    Peter Bell, Mark Gales, Pierre Lanchantin, Xunying Liu, Yanhua Long, Steve Renals, Pawel Swietojanski, Phil Woodland

21. Unsupervised Domain Adaptation
    Raymond Ng, Thomas Hain, Matt Gibson

22. Unsupervised Learning for Text-to-Speech Synthesis
    Oliver Watts, Junichi Yamagishi, Simon King

23. Using HMM-based Speech Synthesis to Reconstruct the Voice of Individuals with Degenerative Speech Disorders
    Christophe Veaux, Junichi Yamagishi, Simon King

24. VISQOL: The Virtual Speech Quality Objective Listener
    Andrew Hines

12:30 -- 13:30
Catered Lunch

13:30 -- 14:00
Current Speech Research in Edinburgh
Presented by: Steve Renals

14:00 -- 14:30
Novel methods for Speech Enhancement, Separation and Speaker Recognition at Queen's University Belfast
Presented by: Ji Ming

14:30 -- 15:00
Town hall meeting: future directions