



Nick Campbell - Curriculum Vitae

*** THIS FILE INCLUDES JAPANESE CHARACTERS (that may not display well!) ***

Biographical sketch:

Nick CAMPBELL
Nationality: British
Born: November 22 1948
Place of Birth: Margate, Kent, England

Research Topics:

Non-Verbal Speech Processing
Large-corpus-based Speech Synthesis
Prosody analysis and control for speech processing
Speech database creation and annotation

Education:

PhD: Sussex University, U.K. Department of Experimental Psychology.
 Completed September 1992, degree conferred June 1993.
 Thesis title: *Multi-level Timing in Speech*.
 Supervisor: Dr. S. D. Isard.
M.A. (with distinction) Lancaster University, U.K. 1985
 Department of Linguistics and Modern English Language.
 Thesis Title: *Prosody control in English speech synthesis*.
 Supervisors Dr. E. J. Briscoe, Dr. E. G. Knowles.
First degree: Bristol University, St. Paul's College, U.K. 1973
 Teachers Certificate in English Language & Psychology.

Career:

4/06- now	Chief Researcher, ATR Spoken Language Communication Research Labs, Acoustics & Speech Processing Dept.
4/06- now	Expert Researcher, National Institute of Information and Communications Technology, (NiCT) Kyoto, Japan - Senior Researcher
4/05-3/06	Chief Researcher, Cognitive Media Informatics, Media Information Science Research Laboratories, ATR
9/04-3/07	Research Director, <u>SCOPE</u> (Processing Dialogue Flow)
4/04-3/05	Project Leader, ATR Network Informatics Labs
4/01-3/04	Project Leader, ATR Human Information Science Labs
3/00-3/05	Research Director, <u>JST/CREST</u> (Expressive Speech Processing project)

4/00-3/01	Supervisor, ATR Spoken Language Translation Research Labs
4/99- now	Visiting Professor, Kobe Uni. Graduate Institute of Communications Science.
4/98- now	Visiting Professor - NAIST Graduate Inst - Information Systems
9/97-4/00	Head of Department 2, ATR Interpreting Telecommunications Research Labs
9/94-8/97	Supervisor, ATR Interpreting Telecommunications Research Labs
9/91-8/94	Invited Researcher, ATR Interpreting Telephony Research Labs
9/90-8/91	Senior Linguist, Edinburgh Uni., Centre for Speech Technology Research
9/87-8/90	Research Fellow, IBM UK Scientific Centre
9/85-8/87	Masters degree - Lancaster University
9/83-8/85	Director of Studies, Ministry of Defence Language Inst., Kuwait
9/81-8/83	Director of Studies, Kuwait Oil Company Training Centre
Previous -	Teacher of English in British Secondary Schools & EFL in Japan

Research Projects managed:

1. ATR ITRL Department 2 (as Department Head, I was responsible for managing one quarter of the entire ITRL Lab's budget of approximately 2000Myen/year (dollar-equivalent: 20 million/yr))
3. JST CREST Expressive Speech Processing (100Myen/yr, 4/00-3/05) (\$equiv: 5 million over 5 years)
4. SCOPE Dialogue-flow Processing (20Myen/yr, 4/04-3/07) (\$equiv: 60k over 3 years)
5. JSPS International Research (South Africa) (2.5Myen/yr, 4/06-3/08) (\$equiv: 5k over 2 years)
6. Mombusho (Kaken) Spoken Dialogue Processing (2.5Myen/yr, 4/05-3/08) (\$equiv: 10k over 4 years)
7. Mombusho (Kaken) Nonverbal Processing (5Myen/yr, 4/07-3/11) (\$equiv: 20k over 4 years)

Affiliations:

Guest Editor, IEEE Trans Sp & Audio - Special Issue on Expressive Speech Synthesis (11/4-5/06)
 Member of the Editorial Board, Language Resources and Evaluation (11/04-present)
 Member of the Editorial Board, Phonetica (11/03-03/04)
 Associate Editor, Language & Speech (12/99-present)
 Associate Editor, Journal of the Phonetic Society of Japan (12/00-present)
 Associate Editor - IEEE Transactions on Speech & Audio(10/99-10/04)
 Guest Editor - IEEE Trans SP Special Issue on Speech Synthesis (2001)
 ISCA Speech Synthesis SIG - Vice Chairman, ILO (11/98-present)
 ISCA Liaison Officer - sProSIG (Speech Prosody SIG) (9/00-present)
 External Expert, European Commission, 'Humaine' Network of Excellence. (2006)
 DISC Advisory Panel (member) (9/97-8/99)
 Speech Synthesis Working Group Convenor COCOSDA (9/95-8/00)
 Secretary/Communications Officer COCOSDA (9/91-present)
 Spoken Language Working Group (member) (09/93-present)

Memberships:

International Phonetic Association
 Coordinating Committee on Speech I/O Database Assessment
 International Committee of Acoustic Society of Japan
 International Speech Communication Association
 Institute of Acoustics (adherent) U.K.
 Acoustic Society of America
 Acoustic Society of Japan
 IEEE

Reviewer for:

Journal of Phonetics
 Journal of the Acoustical Society of America

Journal of the Acoustical Society of Japan
Speech Communication
Phonetica
IEICE, ICASSP, ICSLP, ICPhS, Eurospeech, ACL
ELSNET DISC Consortium

Board Member:

The Japan-British Society of the Kansai
Seika Global Net - Kyoto Committee on Internationalisation
Environmental Protection Committee, Asahi-cho, Nara

Organising Committees:

Computing Prosody Int'l w/s (ATR Japan) 1991 (OrgComm)
3rd ESCA/COCOSDA Speech Synthesis w/s (Convenor)
Acoustical Society of America Berlin Meeting special session on Speech Synthesis
COCOSDA Speech Synthesis Working Group (convenor)
ESCA Tutorial/Research w/s on Speech & Emotion (OrgComm)
Oriental COCOSDA - Steering Committee member
ISCA Speech Synthesis Special Interest Group (vice-chairman)
1st Chinese Conference on Affective Computing & Intelligent Interaction ACII-03(Orgcomm)
VOQUAL - Voice Quality: Functions, Analysis and Synthesis (Geneva 2003)(Orgcomm)
Eurospeech 2003 Special Session on Expressive Speech Processing
JST/CREST International w/s on Expressive Speech (Kobe 2003)(Chair)
Speech Prosody 2004 (Vice Chair)
Oriental COCOSDA 2004, India (OrgCom)
ISCA special session on Speech & Affect (Interspeech 2004) (convenor)
ACII Affective Computing & Intelligent Interaction, Beijing 2005 (co-chair)
Oriental COCOSDA 2005, Bali (OrgCom)
Language Resources & Evaluation LREC2006 (panel chair)
ACII2007 (publicity chair)
Humaine Association (executive committee member) 2007-2011

International Advisory Committees:

ICPhS (International Conference of the Phonetic Sciences)
ACII (Affective Computing and Intelligent Interaction)
SP200x (International Conference on Speech Prosody)

Scientific/Advisory Committees:

Eurospeech International Conference
Intl Conf on Spoken Language Processing
Intl Conf of Phonetic Sciences
Coling/ACL - Dialogue Processing in SLS
ECAI-96 workshop on Dialogue Processing in Spoken Language Systems
European Conference on AI
CICLing 2004
ESCA ETRW: Dialogue & Prosody
Prosody w/s of the Polish Phonetic Association
TAL2004 International Symposium on Tonal Aspects of Languages
IEEE International Conference on Multimedia & Expo 2005
Speech Analysis, Synthesis and Recognition, Krakow 2005
PLM2005 36th Poznan Linguistics Meeting
Oriental COCOSDA international conferences/workshops

LREC – Language Resources & Evaluation Conference
 ParaLing'07: International workshop on "Paralinguistic speech - between models and data"
 MLMI'07 Machine Learning for Multimodal Interaction
 COST Action 2102 Cross Modal Analysis of Verbal and Nonverbal Communication
 ISCA Young Researchers' Round-table on Spoken Dialog Systems
 3rd Language & Technology Conference 2007, Poznan, Poland,
 SiMPE 2007 Speech in Mobile and Pervasive Environments (PC)
 8th Phonetic Conference of China and the International Symposium on Phonetic Frontiers, 2008
 FP7 - proposal - ENLIST - Expert Network on Localisation of Speech Technology
 5th Conference on Speech Analysis, Synthesis and Recognition, Wroclaw, Poland 2008.

Books/Journals edited:

Computing Prosody (Springer Verlag, 1994)
 Advances in Speech Synthesis (Springer, 1999) >/dev/null
 IEEE Trans Speech & Audio Processing, Special Issue on Speech Synthesis, 2001
 Speech Communication Vol 40(1-2) Special Issue on Speech & Emotion, 2003
 J. Phonetic Soc. Jpn, Special Issue on Phonetics and Speech Technology, Dec 2003
 IEEE Trans Speech & Audio Processing, Special Issue on Expressive Speech Synthesis, 2005
 Journal of Phonetics Special Issue on Laughter in Speech (to be produced as book instead) 2007/8

Keynotes:

LREC 2004
 HLT 2005
 PLM 2005
 TC-Star 2006
 IS-TLC 2006
 MLMI'07 2007

Invited Lectures/courses:

Kobe University (annual)
 Nagoya University (2004)
 Kyoto Institute of Technology (2000-2005)
 Niigata University (2005)
 Osaka University (2005)
 Tokyo University (2004,5)
 Tottori University (2005)
 Japanese Association of Sociolinguistic Sciences (2004)
 10th ELSNET Summer School on Language & Speech Communication (Evaluation of Synthesis Systems) (2004)
 KTH Bullet Course - Summer 2004 - Expressive Speech Processing
 Nara Institute of Science & Technology, Open Lecture, (2005).
 NATO-ASI Nonverbal Behaviour & the Biometric Issue Vietri, (2007)
 Variation in Speech Production and Perception Summer School, Estonia, (2008)

Patents:

- Speech Indexing for Re-sequencing Synthesis - Nick Campbell & Andrew Hunt (1996)
- CHATR (registered as a trademark) - Nick Campbell (1997-05-13)
- Multilingual Speech Synthesis - Nick Campbell & Ken Fujisawa (1998)
- Speech Database Design - Nick Campbell & Satoshi Kitagawa (1999)
- Speech Synthesiser Apparatus - Nick Campbell & Satoshi Kitagawa (2000)
- Spontaneous Speech Synthesis - Nick Campbell (2003)
- Speech Parameter Estimation - Nick Campbell & Parham Mokhtari (2003)

- Speech Synthesis Selection Method - Nick Campbell (2004)
- Input method for conversational speech synthesis - Nick Campbell (2005)
- Method for detecting affect in conversational speech - Nick Campbell (2006)
- Method for extracting speaking style information from running speech - Nick Campbell & Carlos Ishii (2006)
- Method for using a midi keyboard for speech synthesis - Nick Campbell (2006)
- Method for combining visual and auditory information for speech understanding - Nick Campbell (2007)

Others (total = 19)

Press:

[ATIP Report 98-12](#)

[Scientific American \(story\)](#)

[Scientific American \(bio\)](#)

[J@pan Inc](#)

[Dictionary of Multimedia & Internet](#)

BBC Radio 4 - New Asians (Japan)

NHK News

Asahi TV News

NHK Documentary (Japanese)

Journal Papers (n=27): see below

Book Chapters (n=14): see below

Invited Talks(n=21): see below

Conference papers (n >= 230) : see <http://feast.atr.jp/nick/refs.html>

Other Interests

Horse riding (dressage preferred).

Offshore yacht racing (incl '85 Fastnet race)

Choral singing (at the back of large choirs only!)

Gardening (something of a luxury in Japan ;-)

(also currently rebuilding a classic Mercedes 350 SL two-seater)



Nick Campbell -- Publication List, 1990 – 2008

(this list is probably not complete)

Journal Papers (n=27):

1. - "Differences in the speaking styles of a Japanese male according to interlocutor; showing the effects of affect in conversational speech", *International Journal of Computational Linguistics and Chinese Language Processing*, pp.1-16, vol. 11, no. 1 (2007) on May 3, 2007.
2. - "The Role and Use of Speech Gestures in Discourse", *Archives of Acoustics*, Warsaw, Vol 32, N.4, 803-814, 2007.
3. - Campbell, N., Hamza, W., Hoeghe, H., Tao, J., Bailly, G., "Editorial -Special Section on Expressive Speech Synthesis", *IEEE Transactions on Audio, Speech, and Language Processing*, V14,N.4, 2006.
4. - "Conversational Speech Synthesis and the need for some laughter", *IEEE Transactions on Audio, Speech, and Language Processing*, Vol 14, No. 4, July 2006.
5. - "Developments in Corpus-Based Speech Synthesis; Approaching Natural Conversational Speech", *IEICE Transactions on Information & Systems*, pp376-383, Vol E88-D, No.3, March 2005.
6. - "Getting to the heart of the matter; speech as the expression of affect; rather than just text or language", *Language Resources and Evaluation*, Vol.39, N.1, 109-118, 2005.
7. - "Technology trends in corpus-based speech synthesis - Developments in Corpus-based speech synthesis", invited article, pp 497-500, in *Journal of the Institute of Electronics, Information and Communication Engineers*, Vol87, No 6, June 2004.
8. - Campbell, N., Erickson, D., "What do people hear? - a study of the perception of non-verbal affective information in conversational speech", 音声研究第 8 巻第 1 号, *Journal of the Phonetic Society of Japan*, pp.9-28, V.8, N.1, 2004.
9. - "Databases of Expressive Speech", *Journal of Chinese Language and Computing*, Vol 14, N.4, pp 295-304, 2004.
10. - "コーパス音声合成技術の動向「V・完」一大規模音声コーパスによる音声合", *電子情報通信学会誌*, V87-N6, 497-500, 2004.
11. - Douglas-C. E, Cowie R., Campbell N., "Editorial - Speech & Emotion" *Speech Communication* 40(2003) pp1-4, 2003.
12. - Douglas-C. E, Campbell N., Cowie R., Roach, P., "Emotional speech: Towards a new generation of databases", *Speech Communication* 40(2003) pp.33-60
13. - Iida, A. and Campbell, N., "Speech database design for a concatenative text-to-speech synthesis system for non-speaking individuals", *International Journal of Speech Technology*, 6, 379-392, Oct 2003
14. - Mokhtari P., Campbell N., "Automatic Measurement of Pressed/Breathy Phonation at Acoustic Centres of Reliability in Continuous Speech", *IEICE TRANS. INF.& SYST.*, Vol.E86-D, No.3 pp574-582, March 2003
15. - "Cross-language Voice Conversion Using a Bilingual Database", *IPSJ Journal*, Vol.43, No.7, pp.2177-2185, July 2002. M. Mashimo, T. Toda, H. Kawanami, K. Shikano, N. Campbell,
16. "Speech database Design for a Concatenative Text-to-Speech Synthesis System for Individuals with Communicative Disorders", *International Journal of Speech Technology*, 6, 379-392, 2003.
17. - "A Corpus-based Speech Synthesis System with Emotion", *Speech Communication*. Vol. 40/1-2 pp. 161 - 187. Iida, A., Higuchi, F., Campbell, N., Yasumura, M. 2001
18. - "Corpus-based Speech Synthesis for ALS patients to assist their communication", *Technical Report of the IEICE*, A. Iida, N. Campbell, M. Yasumura, 2000.
19. "イントネーションと文法：おなじ親の子", 明治書院「日本語学」3月号 1998/3/10
20. - "Description, Acquisition and Evaluation of Rules and Data for Speech Synthesis", *IEICE TRANS. INF.& SYST.*, Vol.J83-D-II, No.11 pp2068-2076, Sagisaka Y., Campbell N., November 2000.
21. "外国人から見た日本の研究スタイル、二のリサーチパラダイム" (ニック キャンベル) *電子情報通信学会誌* V82, N1, 79-81, 1999-01
22. - "A call for generic-use large-scale single-speaker speech corpora and an example of their application in concatenative speech synthesis", *J.Acoust, Soc, Jpn.*, (E) 20,3 241-246, 1999

23. - "A Study of Japanese Speech Timing from the Syllable Perspective" 日本音声学会誌「音声研究」第三卷第二号pp.29-39 1999
24. - "機械との対話：これからの音声合成技術", 電子情報通信越支部講演会1999.5.24, 50
25. - "Talking Machines for Information Access", *Technical Report of the IEICE*, TL99-34, 1999-12.
26. - "Detecting Prosodic Boundaries in Speech". *Speech Communication*, Vol 13, pp.343-354. 1993.
27. - "Segment Durations in a Syllable Frame", W. N. Campbell & S. D. Isard: *Journal of Phonetics*, Special Issue on Speech Synthesis, Vol.19#1, pp.37-48, 1991.

Invited talks/articles: (n=21)

1. *Speech Timing in Japanese & English* International Symposium on Japanese Prosody (pp 207-216) 1989 "日本語音声－国際シンポジウム" (文部省).
2. *From Read Speech to Real Speech* (invited paper) Symposium on the Phonetics and Phonology of Speaking Styles, Proc XIIIth ICPhS, Stockholm 1995.
3. *Mapping across speaking styles - from read to real* (Invited Paper ICPhS Symposium 1995)-
4. *COCOSDA & Oriental COCOSDA: a Progress Report*, Panel session ICSP99, p.77-80, 1999.8.18
5. 機械との対話：コミュニケーションにおける音声合成", 講演会, ソニーCSL (東京) 1999/3/9
6. *Speech Database Processing Tools: - the state of the art in automatic labelling of speech*, Panel Discussion (chair) LREC 2000
7. Opinion Piece, ATR Journal Special Essay 2000, Current at ATR ATR UptoDate 2000
8. *The Sound of a Smiling Voice*, at Symposium on Face, Speech, and Acoustics, Venice 2002
9. *Do-it-Yourself Speech Synthesis* 10th Virtual Reality Symposium, Tokyo University, 2003.
10. LREC 2004 Keynote: *Getting to the Heart of the Matter*, 2004
11. Humaine WP5 workshop - *Data Collection in the JST CREST Project*, Belfast 2004.
12. *Talking with Robots* ATR Expo, 2004.
13. Human Language Technologies - *Expressive Speech Synthesis: What is the Goal?*, Tallinn, 2005.
14. The 36th Poznan Linguistics Meeting *The Second Channel; Non-verbal Information in Speech*, Poznan, 2005.
15. LREC 2006 Panel Session: *Resources for Processing Affect in Speech*
16. Speech Signal Annotation, Processing and Synthesis 2006, Keynote Speech, Poznan, Poland
17. IS-LTC 2006, *Keynote Speech*, Ljubljana, Slovenia
18. *Guest Editor's Introduction* to the Special Issue of IEEE Transactions on Audio, Speech, and Language Processing on Expressive Speech Synthesis, Vol 14, No 4, July 2006.
19. NATO-ASI Summer School: The Fundamentals of Verbal and Non-verbal Communication and the Biometrical Issue, Vietri, 2006. (lecturer)
20. *Panel on Resources for the Processing of Affect in Interaction*, pp.18-19, The ELRA Newsletter, Apr-Sept 2006.
21. *Hottest Issues in Speech Synthesis*, invited talk, LET M&I, Kansai University, 2008

Book chapters/articles: (n=14)

1. *Syllable-Based Segmental Duration*, in **Talking Machines**, eds. G. Bailly & C. Benoit, Elsevier Science Publishers, Amsterdam, 1991.
2. *Prosody and the selection of units for speech synthesis*, Nick Campbell & Alan W. Black in **Talking Machines** (Springer) 1995
3. 韻律解釈における基本単位－音声文法構築へ向けて－, 「文法と音声」 音声文法研究会編 pp.73-91, 1999.6.1, 8
4. *Synthesising Spontaneous Speech* Invited chapter in **Computing Prosody** Springer Verlag 1997
5. *Timing in Speech: a multi-level process* (Invited chapter) in **Prosody; Theory and Experiment**, Festschrift for Gosta Bruce Eds Horne et al, 1999
6. *Information Transfer in Example-Based Speech Translation* (Invited chapter) N.Campbell & H. Iida, in **Automated Spoken Dialogue Systems**, MIT Press 1999

7. 音声合成, **Encyclopaedia of Artificial Intelligence**, AI 事典 Kyoritu Syuppan, 2003.
8. **Webster's Encyclopaedia of Electronic/Electrical Engineering** (15000 wrd article on *Speech Synthesis*)
9. 音声コミュニケーションによる気持のやり取り」ニック キャンベル、文法と音声Ⅴ、くろしお出版, pp.19-29, 2006.
10. Nick Campbell. *On the Use of Nonverbal Speech Sounds in Human Communication*, **Verbal and Nonverbal Communication Behaviors**V, LNAI Vol. 4775, pp.117-128, 06 Oct. 2007.
11. *Robust real time face tracking for the analysis of human behavior*. Nick Campbell, Damien Douchamps, in **Machine Learning & Multimodal Interaction**, Springer's LNCS series, 4892, pp.1-15, Dec. 2007.
12. *How Speech Encodes Affect and Discourse Information - Conversational Gestures*, **NATO Security through Science**, Vol.18, IOS Press, pp.103-114, May 1, 2007.
13. *Expressive / Affective Speech Synthesis*, in **Springer Handbook on Speech Processing and Speech Communication**, Eds 2007
14. *Expressive Speech Processing & Prosody Engineering in New Trends in Speech Based Interactive Systems*, Eds: Fang Chen & Kristiina Jokinen, Springer, 2007

Conference papers (n>=231)

2008

1. Campbell, N. "Tools & Resources for Visualising Conversational-Speech Interaction", in Proc LREC (Language Resources & Evaluation) conference, May 2008 (in Press).
2. Nick CAMPBELL and Akiko NAKAGAWA "Yes, yes, yes, a word with many meanings; the acoustics associated with intention variation", Speech Prosody 2008 (in Press) May 2008.
3. Campbell, N, "Active Listening Characteristics Confirm Spoken Dialogue to be a Very Two-way Interactive Process", Proc. Acoustical Society of Japan, Spring Meeting, March 2008.

2007

1. Campbell, N, "Approaches to conversational speech rhythm: speech activity in two-person telephone dialogues", Special Session on Approaches to Speech Rhythm at XVIth ICPhS (invited).
2. MLMI'07 Keynote "How to follow a conversation without listening to the words", Proc Machine Learning & Multimodal Interaction, Brno, 2007.
3. Campbell, N., "Towards Conversational Speech Synthesis; Lessons Learned from the Expressive Speech Processing Project", in Proc SSW6 ISCA Speech Synthesis Workshop, Bonn, 2007.
4. Scott Appling, D., Campbell, N., "Mapping from Literal Transcriptions of Conversational Speech to a more Standard Form of Linguistic Representation", pp.2825-2828, 27-31 August, Interspeech 2007.
5. Campbell, N., "Who we laugh with affects how we laugh", in Proc LAUGHTER w/s, ICPhS 2007
6. Campbell, N., "On the Use of NonVerbal Speech Sounds in Human Communication" - proc Paraling-07.
7. Nick Campbell, Damien Douchamps, "Processing Image and Audio Information for Recognising Discourse Participation Status through Features of Face and Voice", Interspeech.
8. Campbell, N., "Selecting Speech Fragments for Affect Display in Concatenative Expressive Speech Synthesis", Proc ASJ Spring Meeting.
9. Makimoto, S., Kashioka, H., Campbell, N., "Tagging Structure and Relationships in a Japanese Natural Dialogue Corpus", Interspeech 2007,
10. Campbell, N., Douchamps, D., "Processing Image and Audio Information for Recognising Discourse Participation Status through Features of Face and Voice", Interspeech 2007.
11. Campbell, N., "Changes In Voice Quality with respect to Social Conditions", Proc ICPhS 2007.
12. Nakagawa, A., Campbell, N., "Speaking Style Variation and Speaker Personality", Proc ICPhS 2007.
13. 実対話コーパスに対する意味単位・構造情報のタグ付け Makimoto, S., Kashioka, H., Campbell, N. (shimpei-m,kashioka,nick}@is.naist.jp) Gengo Syori Gakkai, NLP2007 (poster)

2006

1. Campbell, N., "Technology-driven Speech Synthesis; what does the customer expect?", in Proc TC-Star, Barcelona, Spain, June 2006.

2. Campbell, N., "On the structure of spoken language", in Proc Speech Prosody, Dresden, Germany, May 2006.
3. Campbell, N., Sadanobu, T., Imura, M., Iwahashi, N., Suzuki, N., and Douchamps, D., "A multimedia database of meetings and informal interactions for tracking participant involvement and discourse flow", in Proc LREC2006, Genova, Italy, May 2006.
4. Campbell, N., Devillers, L., Douglas-Cowie, E., Auberge, v., Batliner, a., Tao, J., "Resources for the processing of affect in interactions", (panel session) pp. xxv-xxviii, in Proc LREC2006, Genova, Italy, May 2006.
5. Campbell, N., "A Language Resources approach to emotion; corpora for the analysis of expressive speech", in Proc w/s on Corpora for Research on Emotion and Affect, Genova, Italy, May 2006.
6. Campbell, N., "Working with very sparse data to detect speaker and listener participation in a meetings corpus", in Proc w/s Multimodal Corpora; from Multimodal Behaviour Theory to Usable Models, Genova, Italy, May 2006.
7. Campbell, N., "Expressing Affect in Spontaneous Japanese Conversational Speech", in Proc Spring Meeting of the ASJ, March 2006.
8. Campbell, N., "Speech Overlaps in the ATR Meeting Data; an initial analysis of multi-speaker turns", in Proc Spring Meeting of the ASJ, March 2006.

2005

1. Campbell, N., "How far can non-verbal information help us follow a conversation? Preliminary experiments with speech-style and gesture tracking." in Proc ATR Symposium on the Cross-Modal Processing of Faces & Voices.
2. Campbell, N., "Talking with robots - variations in voice quality", Osaka Science & Technology Centre (OSTEC) invited, Oct 2005.
3. Campbell, N., "Expressive Speech Synthesis - what is the goal?" Human Language Technologies (HLT2005) Tallin , invited plenary/tutorial
4. Campbell, N., "The second channel - non-verbal information in speech"(invited) in Proc 35th Poznan Linguistics Meeting, Poznan, Poland, 2005 -invited
5. Campbell, N., "Technology for Linguistics, linguistics for technology: a call for the processing of non-verbal speech information", (invited panel session) in Proc 35th Poznan Linguistics Meeting, Poznan, Poland, 2005
6. Campbell, N., "Inter-speaker Personality features", in Proc Language Technology Conference (Poznan), 2005.
7. Campbell, N., and Ohara, R., "No laughing matter", in Proc Interspeech Lisbon, 2005.
8. Campbell, N., "Non-verbal speech processing for a communicative agent", in Proc Interspeech Lisbon, 2005.
9. Campbell, N., "Synthesis units for conversational speech (Part II)", in Proc Autumn Meeting of the ASJ, 2005.
10. Campbell, N., "Affective speech processing; corpus-based research", Keynote speech, in Proc ACII 2005, International Conference on Affective Computing and Intelligent Interaction, Beijing, 2005.
11. Campbell, N., "Speech Synthesis Evaluation", in Proc ELRA HLT Evaluation workshop, Malta, 2005.
12. Campbell, N., "A multi-media database for meetings research" in Proc Oreiental Cocosda, Java, Indonesia, 2005.
13. Campbell, N., "Talking for the fun of it", invited talk, in Proc Kobe University 10th International Symposium, 2005
14. Campbell, N., "Expressing Affect in Japanese Conversational Speech", in Proc Spring Meeting of the ASJ, Sep 2005.

PLUS several other - not first author.

2004

1. Campbell, N., Advances in Conversational Speech Synthesis, Advances in Speech Technology 2004(11th International Workshop), Maribor, Slovenia.

2. Campbell, N., ACCOUNTING FOR VOICE-QUALITY VARIATION, Speech Prosody 2004
3. Campbell, N., Listening between the lines; a study of paralinguistic information carried by tone-of voice, International Symposium on Total Aspects of Languages (TAL2004)
4. Campbell, N., Specifying Affect and Emotion for Expressive Speech Synthesis, CICLing-2004 (Fifth International Conference on Intelligent Text Processing and Computational Linguistics) (* Keynote Speech)
5. Campbell, N., Synthesis Units for Conversational Speech-Using Phrasal Segments, 日本音響学会 2004 年秋季研究発表会, pp337-338
6. Campbell, N., User Interface for an Expressive Speech Synthesiser, 日本音響学会 2004 年 春季研究発表会講演論文集(pp253-254), 2004 年 3 月
7. Campbell, N., Speech & Expression; the Value of a Longitudinal Corpus, 4thInternational Conference on Language Resources and Evaluation, pp183-186, 2004
8. Campbell, N., Getting to the Heart of the Matter; Speech is more than just the Expression of Text or Language, 4th International Conference on Language Resources and Evaluation, ppVII-IX (Keynote Speech) 2004
9. Campbell, N., Extra-Semantic Protocols; Input Requirements for the Synthesis of Dialogue Speech, Affective Dialogue Systems, pp221-228, 2004
10. Campbell, N., Perception of Affect in Speech-towards an Automatic Processing of Paralinguistic information in Spoken Conversation, 8thInternational Conference on Spoken Language Processing, pp881-884, 2004
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12. 芦村和幸, ニック・キャンベル, 対話音声における類似音声パターンの発話テンポ, 日本音響学会 2004 年 春季研究発表会講演論文集(229-230), 2004 年 3 月
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