The 43rd Annual Meeting of the Academy of Aphasia
Amsterdam, 23rd – 25th October 2005

Sunday 23rd October

8.15 – 8.45  Registration

8.45 – 9.00  Welcome and opening of conference.

9.00 – 11.00  Platform session 1  Language and neuro-imaging.
Chair: Matti Laine

Dynamics of re-organisation in the language system after stroke: an fMRI: follow-up study from the acute to the chronic stage. (Saur, Baumgaertner, Lange, Schraknepper, Rijnijes & Weiller)

Evidence for altered functional connectivity in a language comprehension task following stroke. (Stamatakis, Marslen-Wilson, Tyler and Fletcher)

When lexical selection gets tough, the LIFG gets going: a lesion analysis study of interference during word production. (Schnur, Lee, Coslett, Schwartz & Thompson-Schill)

Orthographic effects on picture naming in Chinese: a 4T erfMRI study. (Weekes, de Zubicaray, Mcmahon, Eastburn, Bryant & Wang)

11.00 – 11.30  COFFEE

11.30 – 12.30  Platform session 2  Language and dementia
Chair: Daniel Kempler

Can Alzheimer’s disease patients learn a novel semantic category by implicit means? (Koenig, Smith, Antani, McCawley, Moore & Grossman)

The protective effects of behavioural intervention in a case of primary progressive aphasia. (Rapp & Glucroft)

12.30 – 2.00  LUNCH

2pm – 3.30  Poster session 1  (including tea)

*Lexical processing / deficits*

Generative naming in aphasia in conditions of quiet and cafeteria noise distraction. (LaPointe, Stierwait, Kemker, Heald & Whittington)
Lexical decision reflects an interaction of word form and meaning: implications for aphasiology. (Reilly)

Neighbourhood density effects in auditory non-word processing in aphasia. (Janse)
Spared semantic knowledge of manipulable objects but impaired representation of gestures required for their use: a case study. (Laiacona, Rosci, Allamano & Capitani)

Are verbs like inanimate objects? (Bi, Han, Shu & Caramazza)

A relative vowel deficit in aphasia sparing the lexicon of numbers. (Bertella, Semenza, Mori, Pignatti & Ceriani)

Cortical plasticity of language measured by EEG in a case of anomic aphasia. (Angrilli & Spironelli)

Perception of lexical stress differences in LHD and RHD subjects. (Walker, White, Armitage & Astbury)

Why verbs could be more demanding of executive resources than nouns: insight from a case study of a fv-FTD patient. (d’Honincthun & Pillon)

The semantic-phonological model and progressive aphasia. (Jokel & Rochon)

A direct processing route to translate words from the first to the second language: evidence from a case of a bilingual aphasic. (Detry, Pillon & de Partz)

A neurolinguistic analysis of neologism in reading. (Ontko, Gillespie & Buckingham)

Lexical effects in verbal STM: evidence from phonological output buffer. (García-Orza & León-Carrión)

Facilitation and interference in phonological blocked-cyclic naming. (Hodgson, Schwartz, Schmnr & Brecher)

Deficits in naming in context: the role of semantic STM vs. control of word retrieval. (Crowther, Biegler & Martin)

On-line word recognition of verbs and nouns in a French-speaking individual with non-fluent primary progressive aphasia. (Kehayia, Delyfer & Azevedo)

Access to lexical phonology does not predict grammatical gender in Welsh: implications for theories of language production. (Tainturier, Leek, Schiemenz, Williams, Thomas & Gathercole)
Brain activity and non-aphasic language
A cross-language fMRI study of sentence-level prosody in Mandarin. (Gandour, Tong, Talavage, Wong, Dzemidzic, Xu & Lowe)

Gender differences and the brain representation of semantic knowledge. (Capitani, Barbarotto & Laiacona)

Broca’s aphasia and arithmetical disorders in 49 XXXXY syndrome. (Brioschi, Bertella, Pignatti, Mori, Priano, Grugni, Mauro & Semenza)

Duration of effects of reticulo-thalamic (centromedianum) stimulation on language processing. (Bhatnagar & Mandybur)

Neural resources recruited to disambiguate sentences with a temporary structural ambiguity: a fMRI study.. (Santos, Gee, Work, Troiani & Grossman)

Event-related potentials demonstrate prolonged N400 priming effects for English irregular verbs. (Justus, Larsen, de Mornay Davies & Swick)

Noun and verb homophones: important predictors of picture naming latencies and implications for aphasia. (Harris, Randall, Moss & Tyler)

The neural correlates of imageability and grammatical class in elderly subjects: an event-related fMRI study. (Ansaldo, Monchi, Roy & Doyon)

The basal ganglia are receptive to rhythmic compensation during auditory syntactic processing: ERP patient data.. (Kotz, Gunter & Wonneberger)

Syntactic and semantic influences on BOLD signal responses to comprehension of relative clauses. (Caplan, Chen, Waters & Robakis)

Text comprehension following traumatic brain injury: missing the gist? (Holliday, Hamilton, Luthra, Oddy & Weekes)

Age dependent evolution of the attentional resources for the phonological and semantic processing of words: cues in favor of an extension to the HAROLD model of language. (Mejia-Constain, Walter, Arsenault & Joanette)

The neural correlates of imageability and grammatical class in elderly subjects. (Ansaldo, Monchi, Roy & Doyon)

3.30 – 5.30 Platform session 3 Grammatical processing
Chair: Roelien Bastiaanse
Effects of task complexity on agrammatic production of tense and agreement inflection in Dutch. (*Kok, van Doorn & Kolk*)

Perception of functional morphology in agrammatic Broca’s aphasia. (*Dickey, Milman & Thompson*)

Slow sentence processing in agrammatic Broca’s aphasia. Evidence from Dutch reflexive-antecedent dependencies. (*Ruigendijk, Avrutin & Burkhardt*)

Discourse linking, canonicity and comprehension of wh-questions in agrammatism. (*Salis & Edwards*)

6.00 – 7.00  Business meeting

**Monday 24th October**

8.30 – 10  **Symposium 1**
_Towards an understanding of semantic impairment in aphasia and dementia._
Chair:  _Gonia Jarema_

The (neuro)-psychology of mass and count nouns: an introduction (*Semenza*)

The semantic organisation of mass nouns and the representational locus of the mass/count distinction. (*Warrington & Crutch*)

A dissociation between semantic and syntactic processing of mass/count information in Alzheimer’s disease. (*Taler & Jarema*)

A deficit in noun syntax representations in aphasia (*Herbert & Best*)

Dissociating semantics and English count-mass: evidence from semantic dementia and progressive non-fluent aphasia. (*Vigliocco, Garrard, Vinson & Carrol*)

Mass and count nouns show distinct EEG cortical processes during an explicit semantic task. (*Bisiacchi, Mondini, Angrilli, Marinelli & Semenza*)

10 – 10.30  **COFFEE**

10.30 – 12.30  **Platform session 4**  **Lexical processing (1)**
Chair:  _Marie-Josephe Tainturier_
Reperfusion of selective areas is associated with improved naming in acute stroke. (Hillis, Vimal, Newhart, Aldrich, Heidler & Ken)

Using a connectionist model in aphasia therapy for naming disorders. (Abel, Grande & Huber)

Exploring the dynamics of aphasic word production using the picture-word interference task: a case study. (Wilshire, Keall, Stuart & O’Donnell)

Investigating the serial order mechanism of spelling: a simple recurrent network simulation of the graphemic buffer. (Goldberg & Rapp)

12.30 – 1.15 LUNCH

1.15 – 2.00 Keynote speaker: Professor Willem Levelt, (Max Planck Institute for Psycholinguistics, Nijmegen)

2.00 - 3.30 Poster session 2 (including tea)

Discourse
Macrostructure re-visited: an examination of gist responses in aphasia. (Ulatowska, Olness & Williams-Hubbard)

Comprehension of discourse relations in the right and left cerebral hemispheres. (Baynes, Long & Davis)

Temporal events and reference in aphasia: a comparison of talking and test performance. (Beeke, Maxim & Wilkinson)

Grammar
Focus in the left periphery: a cue to agrammatic sentence comprehension? (Burcher, Weidlich & De Bleser)

The interpretation of ambiguous dislocations in agrammatism. (Gavarró)

On-line comprehension of anaphor and pronoun constructions in Broca’s aphasia: evidence from eye-tracking. (Choy & Thompson)

Agrammatic aphasia and aspect. (Novaes & Braga)

Functional category production in agrammatic speech. (Lee, Milman & Thompson)
Pronoun interpretation in Dutch Broca’s and Wernicke’s aphasia. A study of VP-ellipsis. (Vasi & Ruigendijk)

Searching for words: the syntactic structuring and sequential placement of word search in conversations with aphasic speakers in Finnish. (Helasvuo, Laakso & Sorjonen)

Syntactic comprehension in agrammatism: a computational model. (tSocco)

Parallels in the breakdown of CP- and DP-internal movement processes in agrammatism: a preliminary case-study. (Rausch, Burchert & De Bleser)

Impairments of derivational word formation in agrammatic aphasia. (Fix, Dickey & Thompson)

**Dementia**

Subject drop in Italian Alzheimer’s disease. (Bencini, Biundo, Semenza & Valian)

Language therapy in fluent primary progressive aphasia – a single case study. (Koenig-Bruhin, Studer-Eichenberger, Donati, Zwahlen & Hohl)

Naming compounds in aphasia and in Alzheimer’s disease. (Chiarelli, Menichelli & Semenza)

No evidence for rule/procedure deficit in German patients with Parkinson’s disease. (Penke, Janssen, Indefrey & Seitz)

Use of lexical and semantic information as cues to support short-term memory performance in patients with Alzheimer’s disease. (Caza & Belleville)

Emotional prosody recognition in basal ganglia patients: disgust recognition revisited. (Paulmann, Pell & Kotz)

Relative false recollection in dementia. (Weekes, Birley & Stein)

Frequency and semantic effects on verb reading in ageing and dementia. (Almor, Kempler, Andersen & MacDonald)

Judging category boundaries: evidence from semantic dementia. (Antani, Moore, McCawley, Smith, Koenig & Grossman)

How broad is naming difficulty in Alzheimer’s disease and fronto-temporal dementia? (McCawley, Antani, Moore, Koenig & Grossman)

Verb learning profiles in aphasic fronto-temporal dementia subtypes. (Murray, Koenig, McCawley, Antai & Grossman)
Quantitative analysis of grammatical deviance in fronto-temporal disease. (*Ash, Moor, Antani, McCawley & Grossman*)

Explaining semantic substitutions in the speech of people with Alzheimer’s disease with the two stage model of lexicalization. (*Astell*)

### 3.30 – 5.30 Platform session 5 Syntax and aphasia

Chair: Susan Edwards

- **Clitic production in Italian agrammatism.** (*Rossi & Bastiaanse*)
- **Syntactic movement in Turkish agrammatic production.** (*Duman, Bastiaanse & Aygen*)
- **Modality-specific deficits affecting bound and free grammatical elements in written compared with spoken production.** (*Barriere & Rapp*)
- **Communication disorders following stroke: first step towards a new fluency protocol.** (*Kirsner, Hird & Dunn*)

7.30 Dinner cruise

**Tuesday 25th**

### 8.30 – 10.00 Platform session 6 Lexical processing (2)

Chair: **Evy Visch-Brink**

- **Lexical decision with no iconicity effect in German Sign language: an fMRI study.** (*Klann, Kastrau & Huber*)
- **Is there a need to control sub-lexical frequencies?** (*Aichert & Ziegler*)
- **Differentiating the neural language system: contrasting the regular and irregular past tense.** (*Tyler, Stamatakis & Marslen-Wilson*)

10.00 – 10.30 COFFEE

### 10.30 –12.30 Platform session 7 Treatment and recovery

Chair: Daniel Kempler
Treating verbal short-term memory deficits by increasing the duration of temporary phonological representations: a case study. (Majerus, van der Kaa, Renard, Van der Linden & Poncelet)

Model-based treatment of phonetic encoding impairments: two case studies with apraxia of speech. (Corsten, Mende, Cholewa & Huber)

Typicality of inanimate category examples in aphasia: further evidence for the semantic complexity effect. (Kiran, Ntourou, Eubanks & Shamapant)

Facilitation of written sentence production by direct treatment of oral sentence production: a longitudinal case study of a Broca’s aphasic. (Stark)

12.30 – 1.30 LUNCH

1.30 – 3.00 Poster session 3 (including tea)

Assessment, treatment and recovery
Understanding the effects of two cueing strategies through error analysis. (Davis, Farias & Baynes)

Effects of presentation and recall format on immediate serial recall: a linguistic account. (Chass, Bellevillw & Caza)

Further evidence of age of acquisition and phonological neighbourhood effect on recovery patterns of anomia. (Laganaro, Pietro & Schnider)

Is time up for the irregularity of tense in aphasia in relation to semantics and the temporal lobe? (Inglis)

Processing of mass/count distribution in Alzheimer’s disease: evidence from Polish. (Perlak, Taler & Jarema)

Selection demands vs. Association strength in the verb generation task. (Cheng & R.Martin)

Using non-verbal tests to measure cognitive ability in patients with aphasia: a comparison of the RCPM and the TONI. (Christy & Friedman)

External validation of the Cantonese linguistic communication measures (CLCM). (Pak-Hin Kong & Law)

The effect of multiple productions on the single word production of people with acquired aphasia and apraxia of speech: an analysis of two cases. (Lim, Croot, Palethorpe & Coltheart)
Does training-induced improvement of non-canonical sentence production in agrammatic aphasia generalise to comprehension? A multiple single case study. (Schr
der, Stadie, Postler, Lorenz, Swoboda-Moli, Burchert & De Bleser)

Treatment for pure alexia using a model based approach: evidence from one acute aphasic individual. (Viswanathan & Kiran)

Self-administered Moss Talk Words; a single subject design comparing treatment intensity replicated in three cases. (Ramsberger & Marie)

Speeded functor reading: a new treatment program for phonological text alexia. (Sperling, Lott, Ferguson, Snider & Friedman)

Differential recovery of aphasia and apraxia of speech in an adolescent after infarction of the left frontal lobe: longitudinal behavioral and fMRI data. (Baumgaertner, Schraknepper & Saur)

Recovery of linguistic deficits in stroke patients: a three year follow-up. (Hachioui, Veschuur, van de Sandt-Koenderman, Dippel, Koudstaal & Visch-Brink)

**Acoustics and phonology**

Whole-word phonological representation in the Chinese lexicon. (Law, Wong & Chiu)

Acoustic analysis of speech output in Broca’s aphasia and Parkinson’s disease. (Murai, Tanaka & Miyazaki)

Right hemisphere contributions to phonological processing. (Bartels-Tobin & Hinkley)

Patterns of phoneme and syllable frequency in jargon aphasia. (Stenneken, Hofmann & Jacobs)

Acoustic correlates to idiomatic interpretations in brain-damaged populations. (Baum & Titone)

**Written language**

Lexical and semantic access in letter-by-letter dyslexia: a case report. (Aggijaro, Crepaldi, Ripamonti & Luzzatti)

Different physical similarity principles for lower- and upper-case substitution errors in a case of post-buffer dysgraphia. (di Pietro, Laganaro & Schnider)
Phonological agraphia: functional and anatomical correlates of 7 cases. (Caramagno, Capasso, Bucci, Ronca, Zampettit & Miceli)

Discovering surface dysgraphia in writers of shallow languages: the use of loan words. (Meneghello, Finco & Denes)

Deep dyslexia in Greek: a case study. (Emmanouil, Tsapkini & Rudolph)

The interaction between semantic and sublexical routes: converging evidence from Chinese. (Han, Bi, Shu & Weekes)

The neural consequences of behavioral intervention in dysgraphia: an fMRI investigation. (Vindiola & Rapp)

Pure alexia without agraphia after a lesion in the right hemisphere: a case study. (Tsapkini, Dimos & Katsarou)

Bilingual alexia and agraphia: a neuro-linguistics study. (Pauranik)

3.00 – 5.00 Symposium 2:
Toward an understanding of semantic impairment in aphasia and semantic dementia.
Chair: Nadine Martin

Non-verbal semantic impairment in stroke aphasia. A comparison with semantic dementia. (Jefferies & Lambon-Ralph)

Comparing and contrasting patients with refractory access and storage semantic impairments (Crutch & Warrington)

Left inferior frontal involvement in semantic retention during phrase comprehension and production: evidence from functional neuroimaging. (R. Martin, Burton & Hamilton)

Verbal and non-verbal semantic impairments in aphasia: an activation deficit hypothesis. (N. Martin)

5.00 Close of conference