Conference Program

Society of Ambulatory Assessment

3rd Conference
20-22 June 2013, Amsterdam
Society for Ambulatory Assessment

In the last decades, ambulatory monitoring and everyday life assessment has progressed into many areas of medicine and behavioral science. Like every innovative methodology, ambulatory assessment poses new challenges to researchers. To encourage and advance collaboration and continued exchange of technology and ideas we launched the Society for Ambulatory Assessment.

Executive Committee

President: Ulrich W. Ebner – Priemer
Vice-President: Matthias M. Mehl
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Membership Officer: Peter Wilhelm
Member: Hans Bussman
Member: Thomas Kubiak
Member: Inez Myin – Germeyns
Member: Dominik Schoebi
Technology Liaisons: Matthew S. Goodwin
Student Liaisons: Martin J. Gevonden
Conference Chair: Eco de Geus
Past Conference Chair: Susan Murphy

2013 Meeting Information

The 3rd conference of the Society of Ambulatory Assessment will be held at the Pakhuis De Zwijger, Piet Heinkade 179, Amsterdam, The Netherlands. Paper, symposia, plenary and poster sessions will be held throughout the day on June 20, 21 and 22.

The student social will be held on the evening of Thursday June 20 at 19.30 hours. More information will be announced at the conference.

On the evening of June 21 the banquet will be held at the Restaurant In de Waag, Nieuwmarkt 4, Amsterdam.

Local Host:

Eco de Geus, PhD
Department of Biological Psychology
VU University Amsterdam
eco.de.geus@vu.nl / natascha.stroo@vu.nl
Wednesday June 19

14.00 – 17.00 Pre-conference workshops (double track)
VU (Transitorium)

Eco de Geus
Ambulatory recording of the electrocardiogram & the impedance cardiogram

Ellen Hamaker
Time series analysis of ambulatory data

Thursday June 20

08.30 – 09.00 Registration
Hall De Zwijger

09.00 – 09.10 Opening Main Conference
Grote Zaal

09.10 – 10.00 Plenary Session
Chair: Thomas Kubiak

Thomas Kamarck, Teachable Moments: Using ambulatory methods to characterize psychosocial contributions to cardiovascular disease risk

10.00 – 10.30 Coffee Break

10.30 – 12.00 Paper Session: “Connecting Domains”
Chair: Eco de Geus

Timothy J. Trull, Paul Baskett, Sandeep Ravi, Sean Lander, Yi Shang
Development of a Wireless Body Area Network (WBAN) for Assessing Emotion Dysregulation, Craving, and Alcohol Use

Femke Lamers, Lihong Cui, Joel Swendson, Kathleen R. Merinkangas
Combined activity-electronic diary assessment of mood states in a community-based sample
Frank H. Wilhelm, Monique C. Pfaltz, Andrea H. Meyer, Tanja Michael
*Intrusions and physiological hyperarousal in daily life in patients with posttraumatic stress disorder*

Christine Kuehner, Vera Zamoscik, Ulrich Ebner-Priemer, Silke Huffziger, Peter Kirsch
*Neurobiological correlates of daily-life rumination in remitted depressed and healthy individuals*

Ann Kathrin S. Gerteis, Andreas Schwerdtfeger
*When rumination counts: Signals of safety and heart rate variability in the field*

Holger Hill
*The investigation of brain functions in ecological settings using electroencephalography. A methodological challenge and perspective*

**10.30 – 12.00**
**Kleine Zaal**

**Paper Session: “AA in Therapy”**
Chair: Ulrich Ebner – Priemer

Heleen Riper, Lisanne Warmerdam, Michel Kleijn, Jan Smit, Pim Cuijpers
*MoodBuster: Smart Depression Screening, Monitoring and Treatment*

Claudia J.P. Simons, Ingrid M.A. Kramer, Jessica A. de Wild – Hartmann, Jim van Os, Marieke Wichers
*A therapeutic application of experience sampling in the treatment of depression – Part 1: A randomized controlled trial examining effectiveness and feasibility*

Jessica A. de Wild – Hartmann, Claudia Menne – Lothmann, Jim van Os, Marieke Wichers, Claudia J.P. Simons
*A therapeutic application of experience sampling in the treatment of depression – Part 2: Impact of momentary assessment based feedback on daily life affective patterns*

Peter Kuppens
*Emotional Inertia*

Silke Huffziger, Ulrich Ebner – Priemer, Vera Zamoscik, Iris Reinhard, Peter Kirsch, Christine Kuehner
*Induced attention focusing in daily life: an ambulatory assessment study in remitted depressed patients and healthy controls*
Andrew J. Waters, William Kerst
*Use of Ecological Momentary Assessment for Cognitive Assessment and Intervention in Addiction*

12.00 – 13.30
**Lunch & Poster Session**
Meeting Room
see the list of presenters at the end

13.30 – 15.00
**Symposium: Genetics and Ambulatory Monitoring**
Grote Zaal
Chairs: Tamlin Connor & Inez Germeys

Patrick Finan
Dynamic assessment of complex phenotypes: Applications for ambulatory monitoring in candidate gene studies

Ruud van Winkel
Experience sampling as an informative approach to study gene-environment interaction in non-affective psychosis

Zhaoli Song
*The Oxytocin receptor genetic variation, affect similarity and empathy between married couples: An experience sampling study using mobile phones*

13.30 – 15.00
**Paper Session: AA in Stress Research**
Kleine Zaal
Chair: Thomas Kubiak

Keisuke K.T. Takano, Iijima Y.I. Yudai, Yoshihiko Y.T. Tanno,
*Attentional bias amplifies the negative emotional influence of daily stressful events*

Hiroe Kikuchi, Kazuhiro Yoshiuchi, Yoshiharu Yamamoto, Tetsuya Ando
*Do psychological factors aggravate and trigger tension-type headache in real life?*

Johanna J.M. Doerr
*Effect of previous-day stress levels on mental fatigue and reduced motivation – the moderating role of sleep quality*

Matthijs M. Noordzij, Marleen M.E. Laroy – Noordzij
*Longitudinal electrodermal recordings of mentally disabled individuals and their caretakers*
Annette Brose, Florian Schmiedek
Reactivity to stressful events: Differentiating individuals according to their mode of reactivity

Regina K.S. Studer, Brigitta D. Danuser, Horst H. Hildebrandt, Patrick G. Gomez
Musicians’ psychophysiological activation before, during, and after performance and the moderating effect of anxiety

15.00 – 15.30  Tea Break

15.30 – 16.30  Plenary Session
Chair: Inez Germeyns

Marieke Wichers, New approaches in understanding and treating depression using experience sampling

19.30  Student Social
Local Organiser: Martin Gevonden
## Friday June 21

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<th>Time</th>
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<td>08.30 – 09.00</td>
<td>Registration</td>
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<td>09.00 – 10.00</td>
<td><strong>Plenary Session</strong></td>
<td>Grote Zaal</td>
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<td>10.30 – 12.00</td>
<td><strong>Symposium: Emerging Technologies for behavioural assessment in natural environments</strong></td>
<td>Grote Zaal</td>
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<td>Kristof van Laerhoven</td>
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<td><em>Beyond Actigraphy: Discovery of Routines and Activities with Wearable Sensors</em></td>
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<td>Roy Raymann</td>
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<td><em>Emerging Technologies for Measuring Sleep in Natural Environments</em></td>
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<td>Jurgen Stumpp</td>
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<td><em>Towards a Universal Platform for Ambulatory Assessment</em></td>
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<td>10.30 – 12.00</td>
<td><strong>Paper session: Innovation in AA methodology</strong></td>
<td>Kleine Zaal</td>
<td>Dominik Schoebi</td>
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<td>Patrick E. Shrout, Sean P. Lane</td>
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<td><em>Measurement Error Effects in Diary Assessments</em></td>
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<td>Tanja Lischetzke</td>
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<td><em>Differences in negative emotion differentiation within and between individuals: An application of multilevel latent class analysis</em></td>
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<td>Christopher Burton, Maria Wolters, Colin Matheson, Srini Janarthanam, Help4Mood Consortium</td>
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<td><em>From GIGO to MIMO: Using visualisation and natural language generation for feedback on ambulatory assessment</em></td>
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Eve Carlson, Nigel Field, Josef Ruzek, Richard Bryant, Constance Dalenberg
*Feasibility, utility, psychometric properties, reactivity, and capacity to elucidate mechanisms of change of Proximal Intensive Assessment*

Tineke Lataster
*Evidence for a two-factor positive and negative affect structure in daily life: presenting the Maastricht Momentary Mood Questionnaire (3MQ)*

Charlotte Arndt, Tanja Lischetzke, Claudia Crayen, Michael Eid
*Occasion specificity and situational conditions of momentary clarity of feelings: Two daily life studies*

**12.00 – 13.30**
**Meeting Room**
**Lunch & Poster Session**
see the list of presenters at the end

**13.30 – 15.00**
**Grote Zaal**
**Paper Session**: Biology X Environment interactions
Chair: Tamlin Connor

Jindra M. Bakker, Ritsaert Lieverse, Claudia Menne – Lothmann, Nicole Geschwind, Frenk Peeters, Marieke Wichers
*Therapygenetics in Mindfulness-based Cognitive Therapy: do genes impact on therapy-induced change in real-life reward experience?*

Mario Wenzel, Thomas Kubiak, Tamlin S. Connor
*Self-control strategies in daily life: A daily diary study about the interplay of situational factors, personality, and genetics on self-control success*

Claudia Menne – Lothmann
*Gene-environment interaction in daily life reward experience*

Dina Collip
*Bridging brain and real-life behaviour: Mapping momentary transfer of n daily life to alterations in dopamine reactivity*

Steven Moore
*Long-term ambulatory monitoring of motor fluctuations in Parkinson’s disease*

Caterina Gawrilow, Nadine Langguth, Lena Guderjahn, Johanna Schmidt, Gertraudt Stadler
Ambulatory assessment methods as an approach for detecting hyperactivity symptoms in children and adolescents at risk for and with diagnosed ADHD

13.30 – 15.00  Paper Session: AA in Interventions
Kleine Zaal  Chair: Eco de Geus

Mariya Shiyko, Magy Seif El-Nasr, Carmen Sceppa, Shree Durga, Pamela Naab
Using Social Gaming Environment to Promote Healthy Eating and Exercising

Jan K. Kühnhausen, Judith D. Dirk, Florian S. Schmiedek
Individual classification of elementary school children’s physical activity: A time-efficient group-based approach to reference-measurements

Jimi Huh, Mariya Shiyko, Genevieve Dunton, Stefan Keller, Susan M. Schembre
Time-Varying Relationship Between Momentary Perceived Stress and Hunger on Weekdays and Weekends

Saskia G.M. Wouters, Viviane Thewissen, Lilian Lechner, Nele E. Jacobs
Snackimpuls: a smartphone application to study snacking behaviour in daily life.

Eliane Dominok, Simone Nadine Löffler, Panagiota Anastasopoulou, Stefan Hey, Gerd Gidion
The road to hell is paved with good intentions - Ambulatory Assessment Intervention (AAI) to reduce procrastination in academic settings – A pilot study

15.00 – 15.30  Tea Break
15.30 – 16.30  General Assembly
Kleine Zaal

19.00  Banquet at Restaurant In de Waag
Saturday June 22

08.30 – 10.00  Paper Session: EMA in Psychopathology
Grote Zaal  Chair: Matthias Mehl

Ingrid Kramer, Claudia J.P. Simons, Marieke Wichers, Inez Myin – Germeys
*Time-lagged moment-to-moment interplay between negative affect and paranoia: new insights in the affective pathway to psychosis*

Norm O’Rourke  
*Bipolar Affective Disorder and older Adults (BADAS) Study*

Hans M. Koot  
*Adolescent Internalizing/Externalizing Problems and the Dynamics of Feelings*

Sandrine Pihet, Maya Suter, Jill de Ridder  
*EMA goes to jail: feasibility, reliability, and insights into the daily experience of incarcerated juvenile offenders*

Lydia Shrier, Craig Ross, Emily Blood  
*Momentary Positive and Negative Affect Preceding Marijuana Use Events in Youth*

Koen Hogenelst, Marije aan het Rot  
*Social behaviour and mood in individuals at risk for depression: Investigating the role of serotonin*

10.00 – 10.30  Coffee Break

10.30 -12.00  Open Paper Session
Grote Zaal  Chair: Peter Wilhelm

Jonas M.J. Hoffmann, Peter Wilhelm  
*Indexing emotion regulation ability in the field: Comparison of laboratory-based measures to real-life data*

Jill de Ridder  
*High-risk adolescents with callous-unemotional traits: perception of anger and distress in staff of residential facilities in daily life*
Nikolaus Kleindienst
*Frequency of intrusions and flashbacks in patients with posttraumatic stress disorder related to childhood sexual abuse: An electronic diary study*

Philip S. Santangelo, Susanne K.H. Koudela – Hamila, Ulrich Ebner – Priemer
*Instability of self-esteem and affect in patients with Borderline Personality Disorder – findings and methodological considerations*

Nele Jacobs, Lilian Lechner, André Brouwer, Marjan Nijkamp, Viviane Thewissen
*Resilience disentangled? Results from a momentary assessment study of resilience in the daily life of a general population sample*

Izabela Krejtz, John Nezlek, Anna Michnicka, Pawel Holas, Marzena Rusanowska
*Dealing with daily stress – the buffering role of counting one’s blessings*

12.00 -12.15  
*Awards & Closing Ceremony*  
Grote Zaal

13.00 – 15.00  
*SAA Executive Committee Meeting*
Posters

Thursday sessions:

1. *Examining effects of daily work interruptions using an electronic tally*
   Anja B. Baethge, Thomas Rigotti

2. *Using ESM to examine the mechanism of change of Mindfulness Based Cognitive Therapy*
   Tim Batink, Frenk Peeters, Nicole Geschwind, Jim van Os, Marieke Wichers

3. *Mapping the temporal course of intake-predicting variables using a self-monitoring tool for smartphones: A pilot study*
   Bastiaan Boh, Anne Roefs, Daniel Claes, Joscha Fossel, Anita Jansen

4. *Putting a hold on the downward spiral of paranoia in the social world: A randomized controlled trial of Mindfulness-Based Cognitive Therapy*
   Dina Collip

5. *Elementary School Children’s Working Memory Fluctuations in the School Context*
   Judith D. Dirk

   Andrea B. Horn, Anik Debrot, Meinrad Perrez

7. *Emotion recognition in psychosis: no evidence for an association with real world social functioning*
   Mayke Janssens, Tineke Lataster, Claudia Simons, Jim van Os, Inez Myin-Germeys

8. *Make-or-break: Time pressure, social work stressors and blood pressure in a team of seven IT-workers during one week of intense work*
   Maria Undine K. Kottwitz, Mauric L. Lachapelle, Achim E. Elfering

9. *A Psychological Analysis of the Daily Conversations of Breast Cancer Patients and Their Partners*
   Stefanie Lange, Heinz –Martin Süss

10. *Mobile Assessment in Schizophrenia: a data-driven momentary approach*
    Tineke Lataster, Margreet Oorschot, Marieke Wichers, Inez Myin-Germeys
11. May the association between intrinsic motivation and deep processing be replicated in current self-regulated learning conditions? – A pilot study with electronic diaries
   Simone M. Loeffler, Marlene Neumann, Gerd Gidion

12. A Psychological Analysis of the Daily Conversations of Breast Cancer Patients and Their Partners
   Matthias R. Mehl, Megan R. Robbins, Karen Weihs, Ana Maria Lopez

13. Enhancing the capacity to savor pleasant experiences: An Ecological Momentary Intervention at the workplace
   Dorota Reis, Tanja Lischetzke

14. Loneliness in the daily lives of early and late adolescents: Testing a socio-cognitive model
   Eeske van Roekel, Maaike Verhagen, Ron H.J. Scholte, Rutger C.M.E. Engels

15. The influence of weather on symptoms and mood in people with hay fever
   Tim R. Rostalski, Holger M. Muehlhan

16. Interpersonal and Intrapersonal Concomitants of the Blush in Daily Life: An Event-Contingent Recording Study
   Marije aan het Rot, Peter J. de Jong

17. Varying-coefficients regression model for analysis of intensive longitudinal data
   Mariya Shiyko, John Dziak, Saul Shiffman, Runze Li

18. The relationship of community functioning to community participation in individuals with schizophrenia spectrum disorders
   Gretchen S. Snethen, Bryan P.M. McCormick

19. Capturing dyadic interpersonal interactions with mobile phone surveys
   Zhaoli Song, Xian Li, Shuhua Sun

20. Psychiatric Diagnosis Revisited: Towards a System of Staging and Profiling Combining Nomothetic and Idiographic Parameters of Momentary Mental States
   Johanna T.W. Wigman, Jim van Os, Evert Thiery, Catherine Derom

   Saskia G.M. Wouters, Viviane Thewissen, Lilian Lechner, Nele E. Jacobs
Friday sessions

22. Interactive Ambulatory Assessment - An approach to optimize the sampling strategy in real time
   Ulrich Ebner-Priemer

23. Maternal pre-pregnancy body mass index and their children’s blood pressure and resting cardiac autonomic balance at age 5-6 years
   Maaike J.G. Gademan

   Kristina Klaus, Ricarda Mewes

25. Does workload and subjective stress ratings predict blood pressure in bachelor students?
   Susanne Koudela – Hamila

26. Empathic accuracy in psychiatric care – A diary study on perceiver and target predictors on momentary affect
   Henriette Lembcke, K. Teich, Tim R. Rostalski, Michael Huber, Torsten Stiehm

27. The role of sympathetic and parasympathetic activation in sAA secretion during exercise
   René van Lien

28. Estimated preejection period (PEP) based on the detection of the R-wave and dZ/dt-min peaks does not adequately reflect the actual PEP across a wide range of laboratory and ambulatory conditions.
   René van Lien

   Annika L. Luckmann

30. Ambulatory Impedance Cardiography in Heart Failure: A Validation Study
   Monica R.N. Parry

31. Ambulatory assessment of physiological reactivity to infant crying in maltreating and non-maltreating mothers
   S. Reijman, Laura Compier – de Block, Lenneke R.A. Alink, Marian J. Bakermans – Kranenburg, Marinus H. Ijzendoorn

32. A Mobile Subliminal Priming Intervention for Pain
   Abraham M. Rutchick, Alina M. Valdez, Benjamin Flynn
33. Physiological responses to infant crying in adult adoptees: the Leiden Longitudinal Adoption Study
   Christie Schoenmaker, Renske Huffmeijer, Anja van der Voort, Marielle Linting, Marinus H. van IJzendoorn, Marian J. Bakermans – Kranenburg, Femmie Juffer

34. The Cardiovascular Load of Repressive Coping: Is There Any?
   Andreas Schwerdtfeger, Eva-Maria Rathner

35. Feasibility and acceptability of personal digital assistant (PDA) with self-monitoring system for type-2 diabetes
   Inada Shuji, Kazuhiro Yoshiuchi, Aiko Azuma, Yoshiyuki Takimoto, Yoko Iizuka

36. Stress, implicit processes, and craving in alcohol dependence: designing an Ecological Momentary Assessment study
   Michelle M. Snelleman, Tim M. Schoenmakers, Dike van de Mheen, Andrew J. Waters, Ingmar H.A. Franken

37. Don’t cry! My heart is racing. Heart rate and sensitive responding to infant crying
   Rixt van der Veen, Alexandra Voorthuis, Ritu Bhandari, Dorothee Out, Marinus H. IJzendoorn, Marian J. Bakermans - Kranenburg

38. Reduced parasympathetic activity is associated with an adverse cardio metabolic profile at age 5-6 years: The ABCD-study
   Tanja G.M. Vrijkotte, Christine Hoekstra, Maaike J.G. Gademan, Manon van Eijsden, Susanne R. de Rooij

39. Are body and limb movements during sleep related to sleep quality?
   Peter Wilhelm, Jonas Hoffmann, Dario Petrelli, Simone Munsch

40. Emotional reactivity to positive and negative events in the course of MDD
    Mark van Winkel

41. Ambulatory Assessment of Stress and Coping among Portuguese Police Officers
    Mariana Kaiseler, S. Rodrigues, V. Ribeiro, A. Aguiar, J.P.S. Cunha

42. Smartphone Based Ambulatory Assessment of Health Risks: Literature Review
    Katarzyna Wac

43. Ambulatory mobility and physical activity monitoring of elderly: a pilot study
    Simone Boerema, Miriam Vollenbroek – Hutten, Hermie Hermens