

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
Secretary	Tamlin S. Connor
Membership Officer	Peter Wilhelm
Member	Hans Bussman
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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
VU (Transitorium)

Pre-conference workshops (double track)

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
Hall De Zwijger

Registration

09.00 – 09.10
Grote Zaal

Opening Main Conference

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
Grote Zaal

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, Lianne 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
Meeting Room

Lunch & Poster Session

see the list of presenters at the end

13.30 – 15.00
Grote Zaal

Symposium: Genetics and Ambulatory Monitoring

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
Kleine Zaal

Paper Session: AA in Stress Research

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 Germeys

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

19.30

Student Social

Local Organiser: Martin Gevonden

Friday June 21

08.30 – 09.00
hall De Zwijger

Registration

09.00 – 10.00
Grote Zaal

Plenary Session

Chair: Tamlin Connor

Joshua Smyth, *Ecological momentary interventions (EMI): Personalized Medicine2.0?*

10.00 – 10.30

Coffee Break

10.30 – 12.00
Grote Zaal

Symposium: Emerging Technologies for behavioural assessment in natural environments

Chair: Matthew Goodwin

Kristof van Laerhoven

Beyond Actigraphy: Discovery of Routines and Activities with Wearable Sensors

Roy Raymann

Emerging Technologies for Measuring Sleep in Natural Environments

Jurgen Stumpp

Towards a Universal Platform for Ambulatory Assessment

10.30 – 12.00
Kleine Zaal

Paper session: Innovation in AA methodology

Chair: Dominik Schoebi

Patrick E. Shrout, Sean P. Lane

Measurement Error Effects in Diary Assessments

Tanja Lischetzke

Differences in negative emotion differentiation within and between individuals: An application of multilevel latent class analysis

Christopher Burton, Maria Wolters, Colin Matheson, Srini Janarthanam, Help4Mood Consortium

From GIGO to MIMO: Using visualisation and natural language generation for feedback on ambulatory assessment

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 & PosterSession
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

Kleine Zaal

Paper Session: AA in Interventions

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

Empty Slot

15.00 – 15.30

Tea Break

15.30 – 16.30

Kleine Zaal

General Assembly

19.00

Banquet at Restaurant In de Waag

Saturday June 22

08.30 – 10.00
Grote Zaal

Paper Session: EMA in Psychopathology

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
Grote Zaal

Open Paper Session

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 Nezelek, Anna Michnicka, Pawel Holas, Marzena Rusanowska

Dealing with daily stress – the buffering role of counting one's blessings

12.00 -12.15
Grote Zaal

Awards & Closing Ceremony

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
6. *Rumination in everyday life and its interpersonal associations in couples: a dyadic ambulatory assessment study*
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, Maaïke 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. Muehlan
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
21. *Snackimpuls: a smartphone application to study snacking behaviour in daily life.*
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*
Maaïke J.G. Gademan
24. *Ambulatory Assessment of Psychological Features Associated With Medically Unexplained Symptoms: Planning a Research Project*
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
29. *Individual Differences in Drug Response: A Time Series Analysis Approach On the Effects of Tryptophan in Quarrelsome Individuals*
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, Maaïke 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