



**EUROPEAN ACADEMY**  
of Sciences and Arts



**Ludwig-Maximilian University  
Munich  
Department of Psychology**



**Mayfair Academy  
of Advanced Studies**



## **Human Change Processes**

**13<sup>th</sup> Summer School**

**Virtual Conference**

**Mai, 31<sup>th</sup> – June, 2<sup>nd</sup>, 2021**

**Psychotherapy Research – Neuroscience – Nonlinear Complex Systems**

The Summer Schools on Human Change Processes are a forum for exchange in psychotherapy feedback, process research, practical innovations, neuroscience and neuromodulation, team and organizational development, and social sciences

### **Organizers and Sponsors**

- Institute of Synergetics und Psychotherapy Research, Paracelsus Medical University Salzburg
- European Academy of Sciences and Arts
- Center for Complex Systems
- German Society for Systemic Therapy and Family Therapy (DGSF)
- Ludwig-Maximilian University Munich, Department of Psychology
- Society for Psychotherapy Research, Complexity Science in Psychotherapy Special Interest Group
- European Association for Psychotherapy
- Mayfair Academy of Advanced Studies

### **Scientific Organizer**

Prof. Dr. Günter Schiepek

### **Participation Fees:**

50 Euro (students: 25 Euro). Single days: 20 Euro (students: 10 Euro).

### **Registration**

[www.humanchangeprocesses.com](http://www.humanchangeprocesses.com)

By assignment of the participation fee to the bank account:

Hypo-Bank Salzburg

IBAN: AT195500011100006603

SWIFT: SLHYAT2S

Recipient and intended purpose: Summer School

### **Web Pages**

[humanchangeprocesses.com](http://humanchangeprocesses.com)

[christian-doppler-klinik.at](http://christian-doppler-klinik.at)

[pmu.ac.at](http://pmu.ac.at)

[ccsys.de](http://ccsys.de)

**Monday, May, 31th, 9:00 – 18:00**

Opening

*Günter Schiepek*  
*Wolfgang Sperl*  
*Wolfgang Aichhorn*

Human Change Processes – An Introduction  
*Klaus Mainzer*

10.30h Coffee Break

11.00h

The Linear and the Nonlinear Approach in Process Research and Process Feedback – New Methods and Consequences for Practice  
*Günter Schiepek*

Group-level Analysis of Physiological Coordination during Joint Action Using Multidimensional Recurrence Quantification Analysis  
*Sebastian Wallot*

12.30h Lunch Break

14.00h

Psychotherapy Feedback. Effects, Mechanisms, Therapeutic Impact  
*Kim de Jong*

Process Monitoring and Feedback in High Achieving Sports  
*Alexander Schorb*

15.30h Coffee Break

16.00h

The Phase Transition Detection Algorithm  
*Günter Schiepek & Kathrin Viol*

Textual Data Analysis: Implications for the Advancement of Research in Psychology  
*Alessandro Gennaro*

A Qualitative Grounded Text Analysis of Psychotherapy Diaries – Can Pattern Transitions Be Identified in Diaries?

**Tuesday, June, 1st, 9:00 – 17:00**

The Measurement Problem in Psychology  
*Markus Maier und Günter Schiepek*

Discussion of the Measurement Lecture  
*Mattias Desmet*

10.30h Coffee Break

11.00h

What Too Much Method Obscures about the Validity of Outcome Measures  
*Mattias Desmet*

Structure and Flexibility in the Psychotherapeutic Process  
*Giulio de Felice*

12.30h Lunch Break

14.00h

Early-warning Signals and Order Transitions in Psychological Time Series  
*Merlijn J. Olthof, Anna Lichtwarck-Aschoff, Fred Hasselman, Günter Schiepek*

The Application of Machine Learning and Neural Network Based Pattern Recognition to Time Series  
*Fred Hasselman*

15.30h Coffee Break

16.00h

Idiographic System Modeling - New Ways of Visualization and Experiences from Practice  
*Helmut Schöller, Günter Schiepek et al.*

17.00h – 18.30h

Business Meeting of the SPR Complexity Science in Psychotherapy Special Interest Group

**Wednesday, June 2nd, 9:00-17:00**

Concept of the Research Laboratory for Microsurgical Neuroanatomy as a Translational Model  
*Peter A. Winkler*

Self-Organization in Networks – From Neuroscience to Systems Biology  
*Marc Thorsten Hütt*

10.30h Coffee Break

11.00h

Pathologically Reduced Neural Flexibility Increases during Psychotherapy of OCD-Patients  
*Kathrin Viol & Günter Schiepek*

Mapping Human Hybrid Synchronization: Chimaera and Quanta Dynamics in a Many Selves Perspective  
*Franco Orsucci*

12.30h Coffee Break

14.00h

From Metaphor to Computation: Constructing the Potential Landscape for the Dynamics of Panic Disorder  
*Jingmeng Cui, Merlijn Olthof, Anna Lichtwarck-Aschoff, Fred Hasselman, Tiejun Li*

A Thematic Analysis of Idiographic System Models  
*Robin van den Bergh, Benjamin Aas, Nora Daniels-Wredenhagen, Florian Pommerien-Becht, Florens Goldbeck, Anna Lichtwarck-Aschoff, Günter Schiepek*

15.30 Coffee Break

16.00h

Becoming in Nature and Society – Envisioning a Future-Open Culture of Values  
*Beatrice Voigt*

*Philipp Garrison, Matthias Ochs &  
Sontje Nordholt*

The International Complexity  
Science Master Program  
*Franco Orsucci*

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