

## Psychology

### CV – Professor

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Name: Joachim Funke

Date of Birth: July 19, 1953

Place of Birth: Düsseldorf

Nationality: German

Education: Humboldt-Gymnasium Düsseldorf, Abitur (A-level) in 1972

Higher Education: winter semester 1972/73 at the University of Düsseldorf:

Philosophy, German Language and Literature, and Education; summer semester 1973 - winter semester 1974/75 at the University of Basel: Philosophy, Psychology, and German Language and Literature; summer semester 1975 - winter semester 1979/80 at the University of Trier: Psychology

Diploma in Psychology: March 31, 1980, result: "outstanding"

DSc in Psychology: November 8, 1984, result: "summa cum laude"

Habilitation: Venia legendi in Psychology on December 19, 1990, at the Faculty of Philosophy, University of Bonn.

#### Work Experience:

05/1980-10/1984: Research Assistant in Psychology at the University of Trier, Department of General Psychology

10/1984-03/1985: Research Assistant at the Institute of Psychology, University of Bonn, Department of General Psychology

04/1985-03/1995: Research Assistant and Assistant Professor at the Institute of Psychology, University of Bonn, Department of General Psychology

10/1994-03/1995: Associate Professor of General Psychology and Methodology and the University of Greifswald

04/1995-03/1997: Lecturer at the Institute of Psychology, University of Bonn, Department of General Psychology

since 04/1997: Professor at the Institute of Psychology, University of Heidelberg, Chair for General and Theoretical Psychology

2008/2009 Marsilius Fellow

Funds: since 1986 numerous projects of the German Research Foundation (Az. Fu 173/1 until 173/14); other Funds: EU, German Federal Ministry of Education and Research, several German Federal State Ministries, Industry, Breuninger-Stiftung, Dietmar-Hopp-Stiftung, Klaus-Tschira-Stiftung

#### Key Publications:

##### Peer-reviewed journal papers:

Barth, C. & Funke, J. (in print). Negative affective environments improve complex solving performance. *Cognition and Emotion*.

Blech, C. & Funke, J. (2010). 'You cannot have your cake and eat it, too. How induced goal conflicts affect complex problem solving'. *Open Psychology*, 3, 43-52.

Buchner, A., Funke, J., & Berry, D. C. (1995). Negative correlations between control performance and verbalizable knowledge: Indicators for implicit learning in process control tasks? *Quarterly Journal of Experimental Psychology*, 48A, 166-187.

- Funke, J. (2001). 'Dynamic systems as tools for analysing human judgement', *Thinking & Reasoning*, 7, 69-89.
- Funke, J. (2010). 'Complex problem solving: A case for complex cognition?', *Cognitive Processing*, 11, 133-142.
- Sager, S., Barth, C., Diedam, H., Engelhart, M., & Funke, J. (submitted). 'Optimization as an analysis tool for human complex decision making'. *SIAM Journal of Optimization*.
- Spring, M., Wagener, D. & Funke, J. (2005). 'The role of emotions in complex problem solving'. *Cognition and Emotion*, 19, 1252-1261.
- Wilke, M., Pfann, H., & Funke, J. (2008). 'Risk-specific search for risk-defusing operators'. *Swiss Journal of Psychology* 67, 29-40.
- Book chapters:
- Funke, J. (1993). 'Microworlds based on linear equation systems: A new approach to complex problem solving and experimental results', in G. Strube & K.-F. Wender (eds), *The cognitive psychology of knowledge* (pp. 313-330). Amsterdam: Elsevier Science Publishers.
- Funke, J. (1995). 'Experimental research on complex problem solving'. in P. A. Frensch & J. Funke (eds), *Complex problem solving: The European perspective* (pp. 243-268). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Funke, J. (2009). 'On the psychology of creativity'. in P. Meusburger, J. Funke & E. Wunder (eds), *Milieus of creativity* (pp. 11-23). Dordrecht: Springer.
- Funke, J., & Frensch, P. A. (2007). 'Complex problem solving: The European perspective', in D. H. Jonassen (ed), *Learning to solve complex scientific problems* (pp. 25-47). Mahwah, NJ: Lawrence Erlbaum.
- Meusburger, P., Funke, J., & Wunder, E. (2009). 'Introduction: The spatiality of creativity', in P. Meusburger, J. Funke & E. Wunder (eds), *Milieus of creativity* (pp. 1-10). Dordrecht: Springer.
- Wenke, D., Frensch, P. A. & Funke, J. (2005). 'Complex problem solving and intelligence: Empirical relation and causal direction', in R. J. Sternberg & J. E. Pretz (eds), *Cognition and intelligence: Identifying the mechanisms of the mind* (pp. 160-187). New York: Cambridge University Press.
- Books
- Betsch, T., Funke, J. & Plessner, H. (in print). *Urteilen, Entscheiden, Problemlösen*. Heidelberg: Springer.
- Frensch, P. A., & Funke, J. (eds). (1995). *Complex problem solving: The European perspective*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Funke, J., & Fritz, A. (eds). (1995). *Neue Konzepte und Instrumente zur Planungsdiagnostik*. Bonn: Deutscher Psychologen Verlag.
- Funke, J. (2003). *Problemlösendes Denken*. Stuttgart: Kohlhammer.
- Funke, J. (ed). (2006). *Denken und Problemlösen (=Enzyklopädie der Psychologie, Themenbereich C: Theorie und Forschung, Serie II: Kognition, Band 8)*. Göttingen: Hogrefe.
- Funke, J. & Frensch, P. (eds). (2006). *Handbuch der Allgemeinen Psychologie - Kognition*. Göttingen: Hogrefe.
- Funke, J., & Vaterrodt, B. (2009). *Was ist Intelligenz? 3., revised edition*. Munich: Beck.
- Meusburger, P., Funke, J. & Wunder, E. (eds). (2009). *Milieus of creativity*. Dordrecht, NL: Springer Science.