

# Susie Vrobel: Publications

## **Publications in the field of Fractal Research**

Susie Vrobel: "Ice Cubes and Hot Water Bottles" in: *Fractals. An Interdisciplinary Journal on the Complex Geometry of Nature*. Vol. 5 No. 1, 1997 World Scientific, Singapore, pp. 145ff.

Susie Vrobel: *Fractal Time*. The Institute for Advanced Interdisciplinary Research, Houston 1998.

Susie Vrobel: "Fractal Time and the Gift of Natural Constraints" in: *Tempos in Science and Nature: Structures, Relations, Complexity*. *Annals of the New York Academy of Sciences*. Volume 879, New York 1999, pp. 172-179.

Susie Vrobel: "How to Make Nature Blush: On the Construction of a Fractal Temporal Interface" in: D.S. Broomhead, E.A. Luchinskaya, P.V.E. McClintock and T. Mullin (Eds.), *Stochastics and Chaotic Dynamics in the Lakes: STOCHAOS*. AIP (American Institute of Physics) New York 2000, pp. 557-561.

Susie Vrobel: "Fractal Time and Nested Detectors" in *Proceedings of the First IMA Conference on Fractal Geometry: Mathematical Techniques, Algorithms and Applications*. DeMontfort University, Leicester, U.K. 2004.

Susie Vrobel: "Reality Generation" in: *Complexity in the Living (Conference Proceedings)*. Rome 2004, pp. 60-77.

Susie Vrobel: A Description of Entropy as a Level-Bound Quantity. *CASYS - International Journal of Computing Anticipatory Systems*, Vol. 17. Edited by Daniel M. Dubois, CHAOS, Liège, Belgium 2006, pp. 123-136.

Susie Vrobel: A Nested Detector with a Fractal Temporal Interface. *CASYS - International Journal of Computing Anticipatory Systems*, Vol. 17. Edited by Daniel M. Dubois, CHAOS, Liège, Belgium 2006, pp. 366-376.

Susie Vrobel: Nesting Performances Generate Simultaneity: Towards a Definition of Interface Complexity, in: Robert Trappl (Ed.): *Cybernetics and Systems 2006*. Vol.2, pp. 375-380 (Proceedings of the European Meeting on Cybernetics and Systems Research). Austrian Society for Cybernetics Studies. Vienna, Austria 2006.

Susie Vrobel: Sheer Simultaneity: Fractal Time Condensation. (Proceedings of Intersymp 2006) The International Institute for Advanced Studies in Systems Research and Cybernetics. ???

Susie Vrobel: Temporal Observer Perspectives. *IIAS-Transactions on Systems Research and Cybernetics*. Edited by George E. Lasker, Vol VII, No. 1, 2007, Tecumseh, Canada, pp. 1-10.

Susie Vrobel: Temporal Observer Perspectives (shortened version). In: *SCTPLS Newsletter*. Volume 14, No. 1, Society for Chaos Theory in Psychology & Life Sciences, October 2006.

Susie Vrobel: Fractal Time, Observer Perspectives and Levels of Description in Nature (Review Paper). In: Electronic Journal of Theoretical Physics (EJTP) Special Issue 2007.

Susie Vrobel: The Kairos Syndrome. International Journal of Computing Anticipatory Systems, Vol. 20. Edited by Daniel M. Dubois, CHAOS, Liège, Belgium 2007, pp. 153-162.

Susie Vrobel: Time Slows Down in Nows Deprived of Their Anticipatory Faculty (draft paper). International Journal of Computing Anticipatory Systems, Vol. 21. Edited by Daniel M. Dubois, CHAOS, Liège, Belgium 2007, pp. 85-96.

Susie Vrobel: The Extended Observer Revisited. Systems Research and Cognition. Volume 1. Edited by George E. Lasker and Michele Malatesta, Tecumseh, Canada 2007, pp. 1-6.

Susie Vrobel, Otto E. Rössler and Terry Marks-Tarlow (Eds.): Simultaneity. Temporal Structures and Observer Perspectives. Singapore: World Scientific 2008.

Susie Vrobel: Fractal Time: Extended Observer Perspectives. In: Susie Vrobel, Otto E. Rössler and Terry Marks-Tarlow (Eds.): Simultaneity. Temporal Structures and Observer Perspectives. Singapore: World Scientific 2008.

Susie Vrobel: Time Dilation and Condensation: Our Judgement of Duration is Based on Content, in: Robert Trappl (Ed.): Cybernetics and Systems 2008. (Proceedings of the European Meeting on Cybernetics and Systems Research). Austrian Society for Cybernetics Studies. Vienna, Austria, pp. 295-298. sneak preview

Susie Vrobel & John Hiller: On Observer Extensions and Roles. Personal and Spiritual Development in the World of Cultural Diversity. Volume V. Edited by George E. Lasker and Kensei Hiwaki, Tecumseh, Canada, pp. 55-60.

Susie Vrobel: Transitional Objects and Transcended Boundaries as Observer Extensions. InterSymp: 21st International Conference on Systems Research, Informatics and Cybernetics. Conference Proceedings 2009, Tecumseh, Canada.

Susie Vrobel: CASYS '09: The Extended Mind: Coupling Environment and Brain. International Journal of Computing Anticipatory Systems, Edited by Daniel M. Dubois, CHAOS, Liège, Belgium 2010.

Susie Vrobel: CASYS '09: The Transitional Object as a Precursor to Strong Anticipation. International Journal of Computing Anticipatory Systems, Edited by Daniel M. Dubois, CHAOS, Liège, Belgium 2010.

Susie Vrobel: Negotiable boundaries. in: Robert Trappl (Ed.): Cybernetics and Systems 2010. (Proceedings of the European Meeting on Cybernetics and Systems Research). Austrian Society for Cybernetics Studies. Vienna, Austria, pp. 224-229.

Susie Vrobel: The Extended Mind: Coupling Environment and Brain. In: COMPUTING ANTICIPATORY SYSTEMS: CASYS '09: Ninth International Conference on Computing Anticipatory Systems. (Ed. Daniel M. Dubois); AIP Conf. Proc. Volume 1303 (November 2010), pp. 277-282.

Susie Vrobel: When Time Slows Down: The Joys and Woes of De-Nesting. In: Acta Systemica, Vol. X, No.1 (2010), Ed. George E. Lasker, IIAS, Tecumseh, ON, Canada, pp. 33-40.

Susie Vrobel: Observer Perspectives and In: Crossing in Complexity: Interdisciplinary Application of Physics in Biological and Social Systems. Ed. Ignazio Licata and Ammar Sakaji, Nova Science Publishers, 2010.

Susie Vrobel: Fractal Time: Why a Watched Kettle Never Boils. World Scientific, Singapore 2011.

Susie Vrobel: A Second Eye and Wings for the Cyclops. In: Acta Systemica, Vol. XI, No.1 (2011), Ed. George E. Lasker, IIAS, Tecumseh, ON, Canada, pp. 27-33.

Susie Vrobel: Fractal Time and Fractal Spacetime: Phenomenology or Ontology? In: Fractal Spacetime and Noncommutative Geometry in Quantum and High Energy Physics. Edited by Ji-Huan He, Vol. 1, No. 1, 2011, Asian Academic Publisher Limited, Hongkong, China, pp. 55-58.

Susie Vrobel: Freeing Oneself of Context: The Cathartic Value of Contextualization. In: IIAS-Transactions on Systems Research and Cybernetics. Volume XII, No. 1. Ed. George E. Lasker, IIAS, Tecumseh, Canada 2012, pp. 7-12.

Susie Vrobel: Spanning and Stretching of Temporal Fields. In: Acta Systemica. Volume XIII, No. 1. Ed. George E. Lasker, IIAS, Tecumseh, Canada 2013, pp. 9-14.

Susie Vrobel: Measuring the Temporal Extension of the Now. In: Progress in Biophysics & Molecular Biology. Vol. 113, Issue 1. Elsevier, London 2013, pp. 92 - 97.

Susie Vrobel: A New Kind of Relativity: Compensated Delays as Phenomenal Blind Spots. In: Progress in Biophysics & Molecular Biology. Vol. 119. Elsevier, London 2015, pp. 303 - 312.

### **Talks in the field of Fractal Research**

Susie Vrobel: How to make Nature blush: On the construction of a temporal fractal interface. University of Lancaster, Ambleside, U.K. 1999.

Susie Vrobel: Fractal Time & Nested Detectors. First IMA Conference on Fractal Geometry: Mathematical Techniques, Algorithms and Applications. DeMontford University Leicester, U.K. 2000.

Susie Vrobel: Reality Generation - On the Construction of a Temporal Fractal Interface (Complexity in the Living, Rome 2004)

Susie Vrobel: A Description of Entropy as a Level-Bound Quantity. CASYS 05 - Seventh International Conference on Computing Anticipatory Systems. HEC-ULg, Liège, Belgium 2005.

Susie Vrobel: A Nested Detector with a Fractal Temporal Interface. CASYS 05 - Seventh International Conference on Computing Anticipatory Systems. HEC-ULg, Liège, Belgium 2005.

Susie Vrobel: The Nested Structure of the Now. Ninth Annual Conference of The Consciousness and Experiential Psychology Section of the British Psychological Society: Reconstructing Consciousness, Mind and Being. University of Oxford, St. Anne's College, U.K. 2005.

Susie Vrobel: Fractal Time in Cognitive Processes. 2nd International Nonlinear Sciences Conference. Heraklion, Crete, Greece, March 2006.

Susie Vrobel: Nesting Performances Generate Simultaneity: Towards a Definition of Interface Complexity. European Meeting on Cybernetics and Systems Research. Vienna, Austria, April 2006.

Susie Vrobel: Temporal Observer Perspectives. InterSymp, August 2006, Baden-Baden, Germany. The International Institute for Advanced Studies in Systems Research and Cybernetics (IIAS).

Susie Vrobel: Sheer Simultaneity: Fractal Time Condensation. InterSymp, August 2006, Baden-Baden, Germany. The International Institute for Advanced Studies in Systems Research and Cybernetics (IIAS).

Susie Vrobel: Simultaneity and Contextualization: The Now's Fractal Event Horizon. 13th Herbstakademie: Cognition and Embodiment. Ascona, Switzerland, October 2006.

Susie Vrobel: Fractal Temporal Observer Perspectives Arise From Embodied Cognition. EURO XXII - 22nd European Conference on Operational Research, 8-11 July 2007, Prague, Czech Republic.

Susie Vrobel: The Extended Observer Revisited. (Invited Paper) 19th International Conference on Systems Research, Informatics and Cybernetics. 30 July - 4 August 2007, Baden-Baden, Germany.

Susie Vrobel: Fractal Time. 19th International Conference on Systems Research, Informatics and Cybernetics. 30 July - 4 August 2007, Baden-Baden, Germany.

Susie Vrobel: Cognitive Aspects of Fractal Time. 19th International Conference on Systems Research, Informatics and Cybernetics. 30 July - 4 August 2007, Baden-Baden, Germany.

Susie Vrobel: The Kairos Syndrome (draft paper). CASYS '07: International Conference on Computing Anticipatory Systems. 6-11 August 2007, Liège, Belgium.

Susie Vrobel: Time Slows Down in Nows Deprived of Their Anticipatory Faculty (draft paper). CASYS '07: International Conference on Computing Anticipatory Systems. 6-11 August 2007, Liège, Belgium.

Susie Vrobel: Time Dilation and Condensation: Our Judgement of Duration is Based on Content. European Meeting on Cybernetics and Systems Research. Vienna, Austria, 25-28 March 2008.

Susie Vrobel & John Hiller: On Observer Extensions and Roles. 20th International Conference on Systems Research, Informatics and Cybernetics. July 2008, Baden-Baden, Germany.

Susie Vrobel: Intramission vs. Extramission. 20th International Conference on Systems Research, Informatics and Cybernetics. July 2008, Baden-Baden, Germany.

Susie Vrobel: Transitional Objects and Transcended Boundaries as Observer Extensions. (Invited Paper) InterSymp: 21st International Conference on Systems Research, Informatics and Cybernetics. August 2009, Baden-Baden, Germany.

Susie Vrobel: CASYS '09: The Extended Mind: Coupling Environment and Brain. International Conference on Computing Anticipatory Systems. August 2009, Liège, Belgium.

Susie Vrobel: CASYS '09: The Transitional Object as a Precursor to Strong Anticipation. International Conference on Computing Anticipatory Systems. August 2009, Liège, Belgium.

Susie Vrobel: Negotiable boundaries. European Meeting on Cybernetics and Systems Research. Vienna, Austria, April 2010.

Susie Vrobel: Winnicott's Transitional Objects and Potential Spaces: Internalization of the Exterior and Externalization of the Interior. University of Ghent, Belgium, April 2010.

Susie Vrobel: When Time Slows Down: The Joys and Woes of De-Nesting. InterSymp: 22nd International Conference on Systems Research, Informatics and Cybernetics. 2-6 August 2010, Baden-Baden, Germany.

Susie Vrobel: A Second Eye and Wings for the Cyclops. InterSymp: 23rd International Conference on Systems Research, Informatics and Cybernetics. 1-5 August 2011, Baden-Baden, Germany.

Susie Vrobel: Models of Embodied Cognition. Operations Research (OR 2012), Vilnius, Lithuania, 8-11 July 2011.

Susie Vrobel: Contextualization as a Way of Freeing Oneself of Context. InterSymp: 24<sup>th</sup> International Conference on Systems Research, Informatics and Cybernetics. 30 July-3 August 2012, Baden-Baden, Germany.

Susie Vrobel: It Takes Mutually Exclusive Temporal Dimensions to Make Decisions and Form a Theory of Well-Being. InterSymp: 24th International Conference on Systems Research, Informatics and Cybernetics. 30 July-3 August 2012, Baden-Baden, Germany.

Susie Vrobel: Spanning and Stretching of Temporal Fields. InterSymp: 25th International Conference on Systems Research, Informatics and Cybernetics. 29 July-3 August 2013, Baden-Baden, Germany.

Susie Vrobel: Analog and Digital Bases of Trust. InterSymp: 26th International Conference on Systems Research, Informatics and Cybernetics. 3 – 8 August 2014, Baden-Baden, Germany.

Susie Vrobel: Endologics. InterSymp: 26th International Conference on Systems Research, Informatics and Cybernetics. 3 – 8 August 2014, Baden-Baden, Germany.

### **Online publications in the field of Fractal Research**

Serge F. Timashev and Susie Vrobel: A New Dialogue with Nature: Fractal Time and Flicker-Noise Spectroscopy. IF Papers 1/2004.

Susie Vrobel: Nesting and De-Nesting Exercises: A Differentiation of Observer Types Based on the Failure to Use Context. IF Papers 2/2005.

Susie Vrobel & Otto van Nieuwenhuijze: And Eternity in an Hour. IF Papers 1/2006.

Susie Vrobel: Introducing Prime Space. IF Papers 2/2006.

## **Publications in the field of language learning:**

Susanne Vrobel (unter Mitarbeit von Ren Yunping & Wang Xiaoyan): Vademecum China. Ismaning: Hueber 1996.

Susie Vrobel & Barry Baddock: Schnell & Bequem: Wirtschaftsenglisch. Ismaning: Hueber 1996.  
1 Cassette

Susie Vrobel & Barry Baddock: 20 Situationen aus dem Berufsleben. Ismaning: Hueber 1996.  
2 Cassettes

Susi Vrobel & Barry Baddock: Translation Skills: German-to-English. Ismaning: Hueber 1998.  
+ Lösungsschlüssel

Susie Vrobel, Ren Yunping und Wang Xiaoyan: Schnellkurs Chinesisch. Ismaning: Hueber 1999. Kassettenversion: 2 Kassetten  
CD-Version: 3 CDs

Susie Vrobel & Barry Baddock: Down to Business. Ismaning: Hueber 1999.  
Kassettenversion: 5 Kassetten  
CD-Version: 3CDs

Susie Vrobel & Barry Baddock: Selbstlernkurs: Englisch für Fortgeschrittene. Ismaning: Hueber 1999.  
Kassettenversion: 5 Kassetten  
CD-Version: 3CDs

Susie Vrobel & Barry Baddock: Großer Lernwortschatz Wirtschaftsenglisch. Ismaning: Hueber 2001.  
Also: Köln: Anaconda Verlag 2007. (2<sup>nd</sup> Edition 2002)

Susie Vrobel & Barry Baddock: Business English to the Point. Ismaning: Hueber 2001.  
2CDs

Susie Vrobel & Barry Baddock: In Handelsblatt (Serie: Business English):  
9/10.03.2001: "What do you call Stammaktien?"  
12.04.2001: "I look forward to hearing from you"  
11/12.05.2001: "Zwischen compete und concur liegen Welten"  
15.06.2001: "What is the banana problem?"

13/14.07.2001: "Sprachkurs für Newbies"

Susie Vrobel & Barry Baddock: Online Version: Selbstlernkurs: Englisch für Fortgeschrittene Online-Kurs  
Ismaning: Hueber / bitmedia 2002.  
+ Classroom Worksheets

Susie Vrobel & Barry Baddock: Online Version: Business English Online  
Ismaning: Hueber / bitmedia 2002.  
+ Classroom Worksheets

Susie Vrobel & Barry Baddock: Business Communication in English: Professionell  
Telefonieren.  
Ismaning: Hueber 2004.  
1CD

Susie Vrobel & Barry Baddock: Business Communication in English: Professionell  
Verhandeln.  
Ismaning: Hueber 2004.  
1CD

Susie Vrobel & Barry Baddock: Business Communication in English: Professioneller Small  
Talk.  
Ismaning: Hueber 2005.  
1CD

Susie Vrobel & Barry Baddock: Down to Business Premium (Paket). Ismaning:  
Hueber  
Ismaning: Hueber 2005.  
+ CD-ROM Business English  
+ 4 CDs  
+ Testheft  
+ Großer Lernwortschatz Wirtschaftsenglisch

Susie Vrobel & Barry Baddock: Business Communication in English: Emails und SMS.  
Ismaning: Hueber  
Ismaning: Hueber 2006.  
1CD

Susie Vrobel & Barry Baddock: Business English. Prague: Vydala Grada Publishing 2009

Susie Vrobel & Barry Baddock: Update Your Business Vocabulary. Ismaning: Hueber  
Ismaning: Hueber 2010.  
1CD

Susie Vrobel & Barry Baddock: Business Talk Hörkurs. Ismaning: Hueber  
Ismaning: Hueber 2010.  
4 Audio-CDs

Susie Vrobel & Barry Baddock: Business English ganz leicht: Sprachkurs. Ismaning:  
Hueber 2012,  
2 CDs

Susie Vrobel & Barry Baddock: Business English ganz leicht: Lernwortschatz.  
Ismaning: Hueber 2012,

Susie Vrobel & Barry Baddock: Business English ganz leicht: Korrespondenz.  
Ismaning: Hueber 2012,  
1 CD-ROM

## **Talks and workshops in the field of language learning**

Übersetzungsübungen Deutsch - Englisch: Translation Skills (Hueber Informationszentrum, München 1996)

Einführung in die chinesische Sprache: Grundkurs Chinesisch (VHS Kiel 1999)

Übersetzungsübungen Deutsch - Englisch: Translation Skills (VHS Hamburg & Rendsburg 2000)

Business English: Web-Based Training (Multimedia und Internet im berufsorientierten Fremdsprachenunterricht, Trier 2000)

eLearning: Englisch Online für Fortgeschrittene (ZWH - Zentralstelle für die Weiterbildung im Handwerk, Düsseldorf 2001)

eLearning: Einbettung von eLearning - Kursen in einen Präsenzunterricht: Englisch für Fortgeschrittene & Business English (Max-Hueber Verlag, Dortmund 2001)

eLearning: Web-Based Training: Fremdsprachenlernen der Zukunft (Universität des Saarlandes, Saarbrücken 2001)

Publications in German

### **Book & Blog: Wetterauer Geschichten**

<http://wetterauergeschichten.blogspot.com/2011/07/wetterauer-geschichten-teil1.html>

Book available from: Bindernagelsche Buchhandlung, Friedberg (Hessen) und Buchhandlung am Park, Bad Nauheim