2nd MAGNUS SYMPOSIUM
On the Nature of Information
with a Satellite Workshop on *FAIR Digital Objects*

February 23-25, 2022
DPG Magnus Haus
Am Kupfergraben 7, 10117 Berlin

Feb. 23, Wednesday

FAIR Digital Objects (FDOs) Satellite Workshop (Chair Peter Wittenburg)
FDOs provide infrastructure for science, industry, public administration, and society in general.

08:30   2G+ check in & coffee

09:00   ***How to make FAIR Digital Objects a Universal Global Data Standard*** (on site)
Hans-Günther Döbereiner (U Bremen, nfdi4Phys, FDO-Forum)

09:15   ***Easy as Pie: How Data Management can be FAIR for Everyone*** (online)
Frank Tristram (KIT, nfdi4Phys)

09:30   ***How to apply FDOs in Industry*** (on site)
Stefan Weisgerber (DIN, Digital Platforms)

09:45   ***How to get eAnything*** (online)
Maximilian Funke-Kaiser (MdB)

10:00   ***How the new EU Standardisation Strategy can Impact Research Domains and FDO Progress*** (online)
Edit Herczog (Vision & Values SRL, Brussels)

10:15   ***How to do Metrology for Supporting FAIR and FDO Principles*** (online)
Sascha Eichstädt (PTB, Digital Transformation)

10:30   ***How to tell what's an FDO?*** (online)
Alireza Zarei (GWDG)

10:45   ***How FDO Repositories and Registries Enhance Medical Portals*** (online)
Oya Beyan (U Cologne, 4DS, Forum)

11:00   ***Digital Research Products*** (online)
Harry Enke (PUNCH4NFDI, Leibniz-Institut für Astrophysik Potsdam)

11:15   ***Discussion in Breakout Room*** (online) and ***Wrap Up***
Peter Wittenburg (Forum Chair)

11:15   2G+ check in

11:15   Coffee

11:45   ***Greetings*** (online)   (Chair HG Döbereiner)
Lutz Schröter, President of the German Physical Society

12:00   ***On the Nature of Information*** (on site)
Hans-Günther Döbereiner (U Bremen & FDO Forum)

12:15   ***FAIR Digital Objects*** (on site)
Peter Wittenburg (FDO Forum)

12:30   ***Linguistics and Neighbouring Disciplines: Semantics from Different Points of View*** (online)
Erhard Hinrichs (Leibniz Institut für Deutsche Sprache, TEXT+)

13:30   Lunch

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14:00 ***Reading the Mind of a Cnidarian*** (online)
Rafael Yuste (Columbia U)

15:00 ***Dynamic Neuronal Mechanisms of Selective Attention*** (online)
Andreas Kreiter

16:00 Coffee

16:30 ***Theory of Information*** (online)
Nihat Ay (TU Hamburg & Santa Fe Institute)

17:30 ***The Turing Option in AI*** (online)
Frank Kirchner (DFKI, Bremen)

19:00 Dinner in small groups

Feb. 24, Thursday   Chairs

09:00 ***Synergy and Emergence in Complex Systems*** *(on site)*   Ay
Pedro A.M. Mediano (U Cambridge)

10:00 Coffee

11:00 ***Plant Cognition and Behaviour*** (online)   Ay
Frantisek Baluska (U Bonn)

11:45 ***Analog and Digital Information in Biology and Medicine*** (on site)   Ay
Marc Hütt (Jacobs U)

12:30 Lunch

13:30 ***Bioelectric Networks Outside the Brain: The Cognitive Medium of***
Collective Morphogenetic Agents (online)   Wiggins
Michael Levin (Tufts U)

14:30 ***Integrated Biology of Basal Cognition*** (online)   Wiggins
Christina Oettmeier (U Bremen)

15:10 ***Biological Psychology of Decision Making*** (on site)   Wiggins
Thorsten Fehr (U Bremen)

15:40 Coffee

16:10 ***From Data to Models and Back: Developing Neural Processing***
Theories for the Visual System (online)   Oettmeier
Udo Ernst (U Bremen)

16:50 Coffee & snack

17:40 ***Clinical Validation in Cancer Diagnosis Through a Public***
Domain Database   Mediano
Josef Käs (U Leipzig) (on site)

18:00 ***Dataformats and Standardisation in cell motility*** (on site)   Mediano
Joachim Rädler (LMU Munich)

18:20 ***Topological Oscillation Dynamics in Small Degree Networks*** (online) Mediano
Adrian Fessel (U Bremen & OHB)

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18:40 ***Agency, Downward Causation, and Information*** (online)   Mediano
George Ellis (University of Cape Town)

19:30 Dinner in small groups

Feb. 25, Friday   Chair

08:00 ***Ethics Past Present and Future*** *(on site)*   Jansen
Chris Wiggins (New York Times, U Columbia)

09:00 ***Information and Noise*** (on site)   Jansen
Giovanna Morigi (U Saarbrücken)

10:00 Coffee

10:30 ***4E Cognition: Yesterday, Today, and Tomorrow*** (online)   Hinrichs
Matt Sims (U Bochum, Humboldt Fellow)

11:15 ***The Emperor's New Markov Blankets*** (on site)   Hinrichs
Krzysztof Dołęga (U Bochum)

12:00 ***A Universal Response in Iterated Symmetric Games***   Hinrichs
Jan Nagler (Frankfurt School of Finance and Management)

12:30 ***In Search of Law's Reality*** (online)   Hinrichs
Lorenz Kähler (U Bremen)

13:00 Lunch

13:45 ***Digital Objects in the Semiotic Triangle*** (online)   Morigi
Robert Porzel (U Bremen)

14:45 ***Categorial Foundations of Information Modeling*** (online)   Morigi
Malte Lochau (U Siegen & FDO Forum)

15:45 Coffee

16:20 ***The Social Dilemma of Big Data*** *(online)*   Sims
Lars Hornuf (U Bremen)

16:40 ***Transdisciplinarity*** *(online)*   Sims
Claudia Biniossek (TIB, METHODS)

17:00 ***Infrastructure of Natural Language Semantics Processing*** (online)   Sims
Philipp Wieder (GWDG & FDO Forum)

17:20 ***What's in There?*** (online)   Sims
Frank Tristram (KIT)

17:40 ***Closing Remarks*** (on site)
HG Döbereiner (U Bremen & FDO Forum

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