

1st Annual Research Day

Jacobs University Bremen
October 5, 2022

Theresa Roewer, Franziska Deutsch, Marc-Thorsten Hütt, Sören Petrat

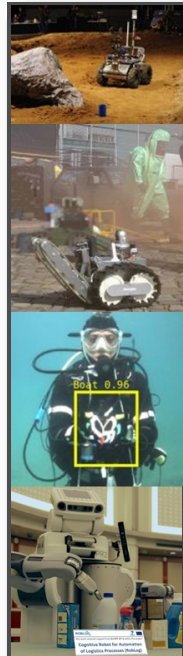
Participants

- Giuseppe Abreu
- Andreas Birk
- Klaus Boehnke
- Klaus Boehnke, Franziska Deutsch, Ulrich Kühnen
- Klaudia Brix
- Omid Fatahi Valilai
- Ben Godde
- Igors Gorbovickis
- Fangning Hu
- Marc-Thorsten Hütt
- Stephan Juricke
- Stefan Kettemann
- Ulrich Kortz
- Ulrich Kühnen, Klaus Boehnke, Franziska Deutsch, Sonia Lippke, Jan Lorenz
- Christoph Lattemann
- Alexander Lerchl
- Sonia Lippke
- Jan Lorenz
- Keivan Mallahi-Karai
- Arnulf Materny (Patrice Donfack)
- Artem Naumov, Alexander Kochetkov
- Elke Nevoigt
- Sören Petrat
- Gerd-Volker Röschenthaler (Volodymyr Kozel)
- Andreas Seebeck
- Sebastian Springer
- Tobias ten Brink
- Julia Timpe
- Matthias S. Ullrich
- Yilmaz Uygun
- Hendro Wicaksono
- Adalbert Wilhelm
- Mathias Winterhalter

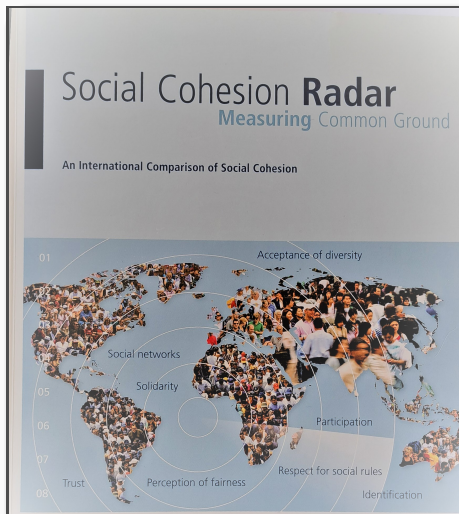
Prof. Dr. Giuseppe Abreu

Wireless Communications and Signal Processing

Andreas Birk
Robotics



Klaus Boehnke

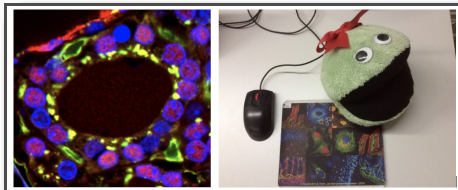


Klaus Boehnke, Franziska Deutsch, Ulrich Kühnen



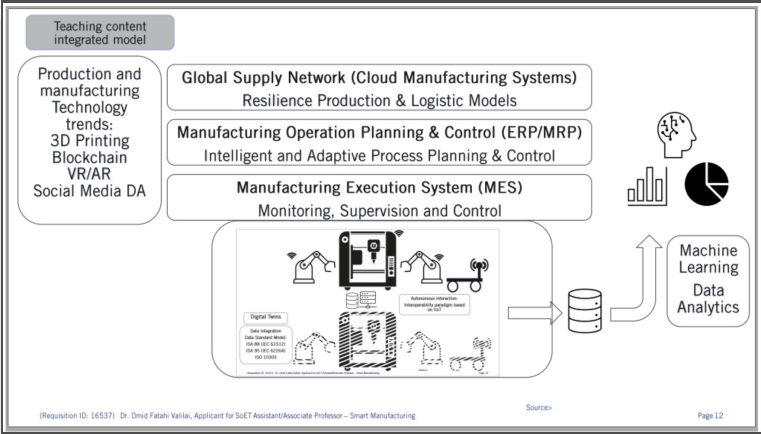
Prof. Dr. Klaudia Brix

Molecular Cell Biology – Biomedicine of Proteolysis

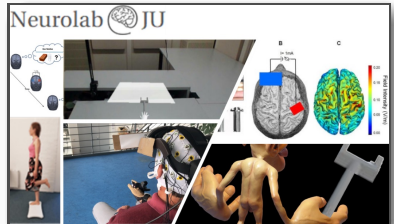


Dr. Omid Fatahi Valilai

- Computer Integrated manufacturing & Production Network
- Industry 4.0 & Smart systems

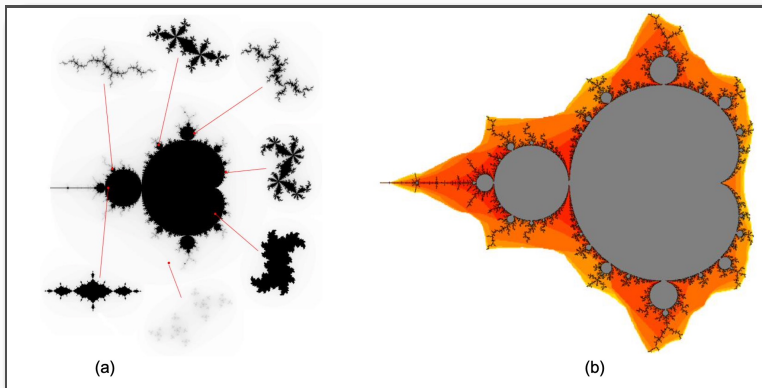


Professor Ben Godde
Professor of Neuroscience



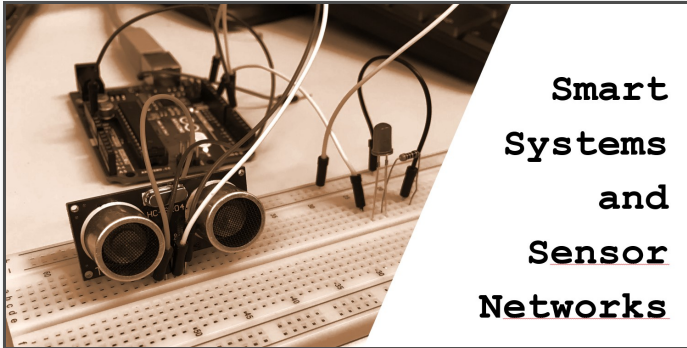
Igors Gorbovickis

Dynamical systems and their relations with complex analysis, ergodic theory and renormalization. I am also interested in some questions from metric geometry.



Fangning Hu

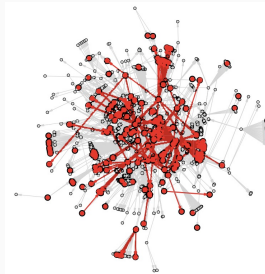
Smart Systems and Sensor Networks



**Smart
Systems
and
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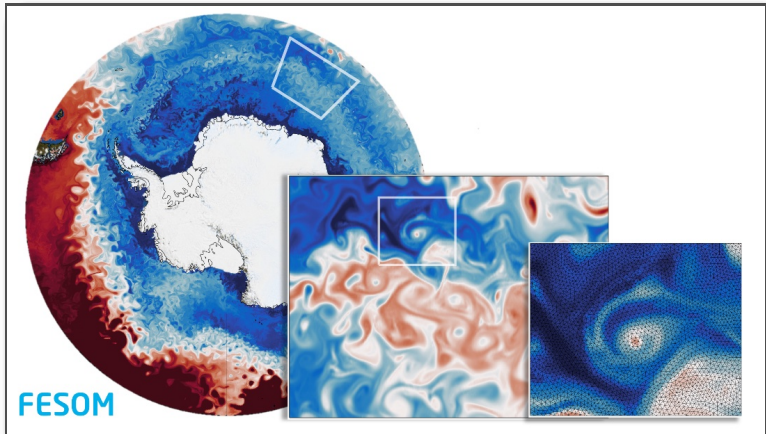
Marc-Thorsten Hütt

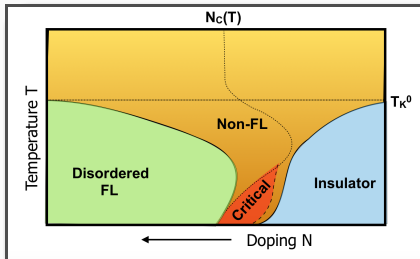
Professor of Computational Systems Biology



Stephan Juricke

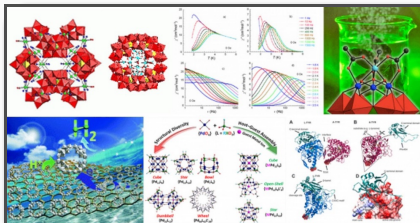
Climate and ocean physics and modelling





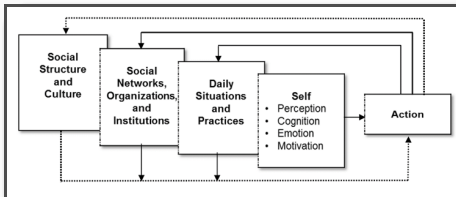
Prof. Dr. Ulrich Kortz

Synthetic inorganic chemistry, metal-oxo clusters, structural chemistry (XRD, NMR), catalysis, biomedicine, materials science



Ulrich Kühnen (speaker), Klaus Boehnke, Franziska Deutsch, Sonia Lippke, and Jan Lorenz

Research Training Group (RTG) "Social Dynamics of the Self"



Prof. Dr. Christoph Lattemann

Business Administration and Information Management

Head of I3 Research Group: Information, Innovation and International Management



Prof. Dr. Alexander Lerchl

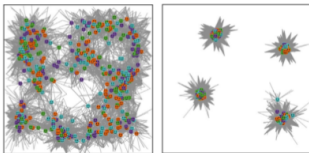


Prof. Dr. Sonia Lippke
Health Psychology and Behavioral Medicine

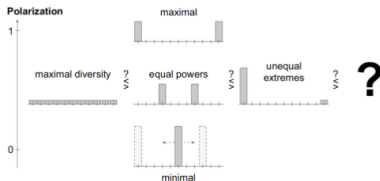


Jan Lorenz

When do **political spaces** evolve like this ↓
or in filter bubbles ↓?



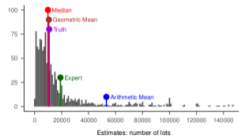
Which attitude distribution is more polarized?



Why do voters in Bremen give their 5 votes as they do?

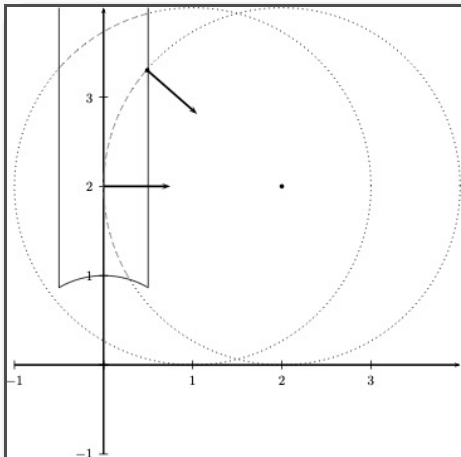


How to aggregate the wisdom of the crowd?



Keivan Mallahi-Karai

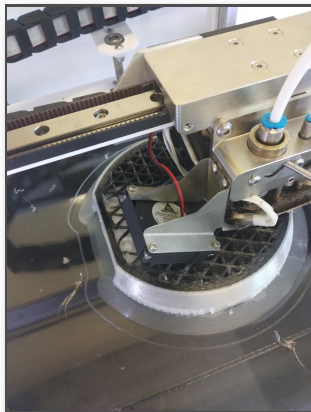
Mathematics, more specifically in the interface between group theory and probability theory.



Prof. Dr. Arnulf Materny (Dr. Patrice Donfack)
Professor of Chemical Physics

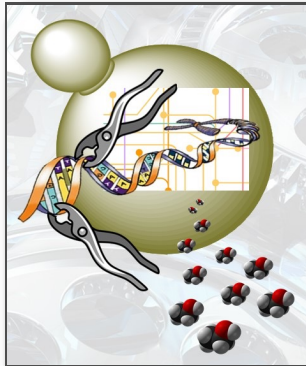


Artem Naumov, Alexander Kochetkov
ANISOPRINT



Elke Nevoigt

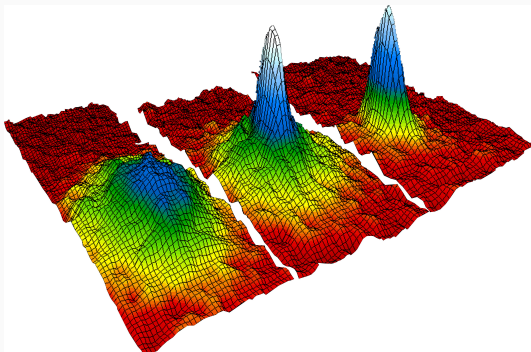
Molecular Biotechnology

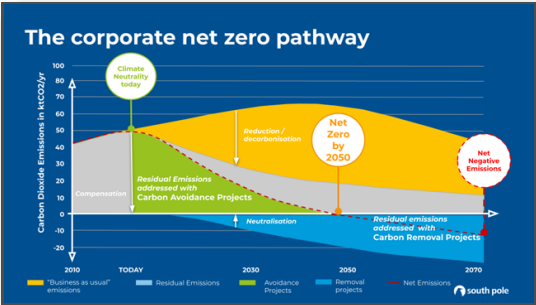


Sören Petrat

Mathematical Physics, in particular

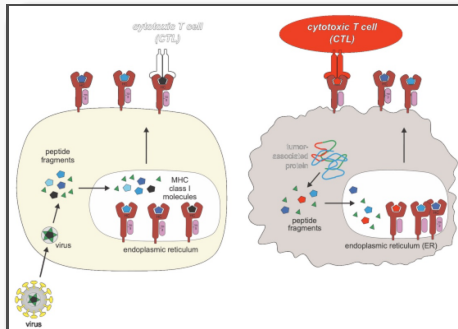
- many-body quantum mechanics,
- Bose–Einstein condensates,
- Fermi gases.





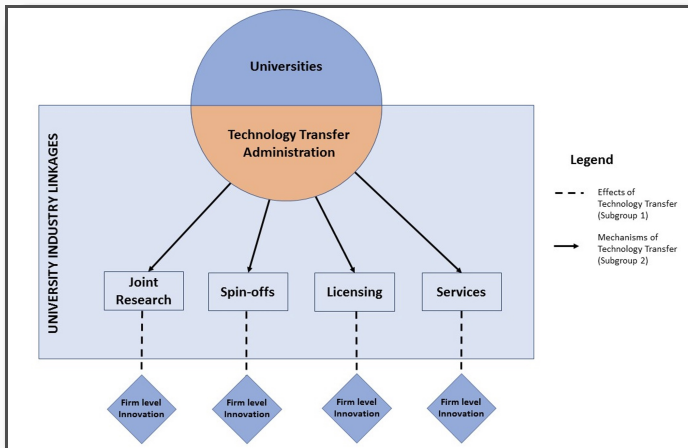
Sebastian Springer

Professor of Biochemistry and Cell Biology



Tobias ten Brink

Professor of Chinese Economy and Society, with a focus on International and Comparative Political Economy



Julia Timpe, PhD

Research Fields:

- Modern European History/ Modern German History
- History of Nazi Germany, World War II & the Holocaust/ History of Everyday Life / Digital History

Prof. Dr. Matthias S. Ullrich

Molecular Microbiology, Marine Microbiology, Plant Microbiology

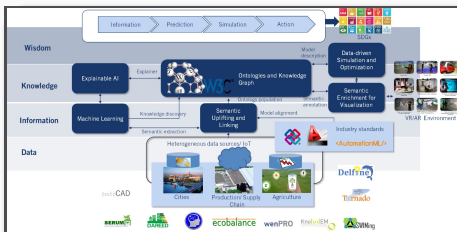
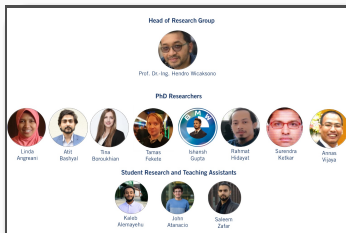


Prof. Dr. Dr.-Ing. Yilmaz Uygun
Logistics Engineering and Technologies Group



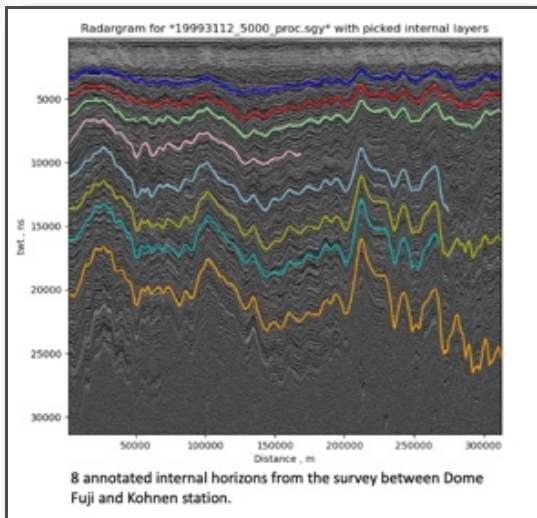
Prof. Dr.-Ing. Hendro Wicaksono

- *Methods:* semantic data integration, explainable artificial intelligence, linked data and knowledge graph, causal inference, machine learning, data-driven simulation and optimization
- *Applications:* supply chain management, smart cities, smart energy systems, agriculture 4.0, sustainability assessment



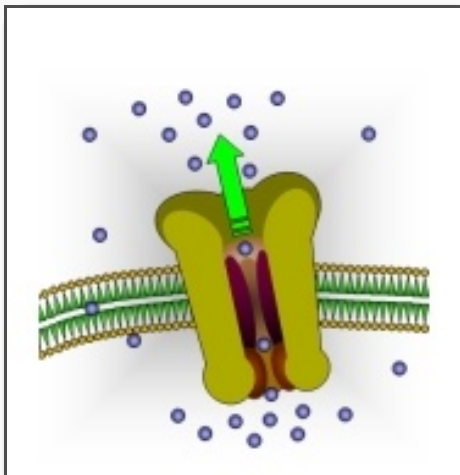
Adalbert Wilhelm

Statistics/Data Science, here particularly: Marine Data Science



Prof. Dr. Mathias Winterhalter

Professor of Biophysics



The Open Forum begins in the IRC Foyer and East Wing.

Coffee: Coffee Bar and Mobile Coffee Bar outside.



Cake/Cookies/Drinks: East Wing.

Tables

1. Giuseppe Abreu
2. Andreas Birk
3. Klaus Boehnke
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32. Mathias Winterhalter