

## Entropy Workshop

Ludwigsburg

February 15 and 16

In the Bacchuszimmer of the Ludwigsburg Castle (February 15<sup>th</sup>) and  
in room 5.207 (February 16<sup>th</sup>)

Ludwigsburg University

Monday February 15<sup>th</sup>, Bacchuszimmer Residenzschloss

14.15 Christoph Beierle

Title: Relational Conditionals and Maximum Entropy

14.45 Questions

15.00 Gabriele Kern-Isberner

Title: Characterizing minimum cross-entropy via conditionals

15.30 Questions

15.45 Jürgen Landes

Title: Objective Bayesian Nets from Consistent Datasets: Theory and  
Implementation

16.15 Questions

16.30 Charley Wu

Title: Functional Sharma-Mittal entropy for understanding  
ruggedness in optimization problems

17.00 Questions

17.15 Heike Knauber and Hannes Schray

Title: Instruction on information and coding in the classroom

17.45 Roundtable moderated by Katya Tentori

**Dinner and music-----**

Tuesday February 16<sup>th</sup>, Room 5.207, Luwigsburg University

9.00 Vincenzo Crupi

Title: Gini vs. Shannon: The case for quadratic entropy in formal philosophy of science

9.30 Questions

9.45 Jonathan Nelson

Title: Measuring and fostering intuitions about Entropy in students from age 5 to age 105

10.15 Questions

10.30 Matthias Hofer

Title: Using Hierarchical Adaptive Design Optimization (HADO) techniques to identify the psychological bases of uncertainty and information

11.00 Discussion

11.15 **Coffee break**

11.45 Björn Meder

Title: Entropy, heuristics, and human behavior in sequential search

12.15 Discussion

12.30 Paul Arthur Pedersen

Title: Comparative, Classificatory, and Quantitative Conceptions of Probability, Independence, and Entropy

13.00 Discussion

**13.15 Lunch**

14.15 Eric Raidl

Title: Generalising Updates of Ranking Functions by Optimisation Procedures.

14.45 Discussion

15.00 Günther Palm

Title: A generalization of entropy and information

15.30 Discussion

15.45 **Coffee Break**

16.15 Laura Martignon

Title: The usefulness of Max-Ent: a project for graduate students

17.00 Roundtable moderated by Alessia Dorigoni