

## Monday 28th

*Reception*

10:00

10:30

Introduction Michael Resch

11:00

**Keynote Ben Recht - A Bureaucratic Theory of Statistics**

12:00

Lunch

13:30

*Can Automated Science and AI Preserve Uncertainty and Serendipity in Scientific Inquiry? If Not, Will We Miss Them? - Ramon Alvarado*

14:15

Coffee Break

14:45

*Uncertainty in Machine Learning from a Frequentist Perspective - Timo Freiesleben*

15:30

Coffee Break

16:00

*Uncertainty assessment with Bayesian statistics: Rigorous and elegant in theory, failing in practice? - Anneli Guthke*

16:30

Coffee Break

17:00

*Suspended Personhood: A Constructed and Retrospective Legal Uncertainty Beyond Quantification - Burçin Aydoğdu*

17:45

18:00

Uni Thekle (social event)

## Tuesday 29th

10:00	<b>Keynote Marcus Düwell - Uncertainty as a Necessary Condition of the Human Lifeform</b>
11:00	Coffee Break
11:30	<i>Affordances and the Uncertainty in Joint Action - Quianrong Gong</i>
12:15	Lunch
13:30	<i>Complexity and the Opacity of Neural Network Training - Joachim Stein</i>
14:15	Coffee Break
14:45	<i>A Tracking Theory of Enumerative Induction - Manuel Arnulfo Cañas Muñoz</i>
15:30	Coffee Break
16:00	<i>Ambiguity and Decision-Making in Stochastic Uncertainty Systems - William Peden</i>
16:45	<i>Cave/Computer tour</i>
17:30	Hike to Katzenbacher Hof (Beer garden)

## Wednesday 30th

10:00	<b>Keynote John Symons - Artificial Intelligence and the Evolution of Scientific Justification in Software-Intensive Science</b>
11:00	Coffee Break
11:30	<i>Roots of physical computation and adaptive behavior in malleable uncertainties - Miriam Klopotek</i>
12:15	Lunch
13:30	<i>Computations as Uncertainty-Reducing Processes - Matthew Smith</i>
14:15	Coffee Break
14:45	<i>A variational approach at uncertainty estimation in rainfall-runoff modeling - Manuel Álvarez Chaves</i>
15:30	Closing