



ZiF WORKSHOP

Explanation and Understanding in the Age of Algorithms

Convenor: Mark Alfano (Delft, NED)
Ignaz Rutter (Passau, GER)
Dario Martinelli (Kaunas, LTU)

6 – 9 November 2018

IN COOPERATION WITH: DELFT UNIVERSITY OF TECHNOLOGY



TUESDAY, 6 NOVEMBER:

Overview and General Frameworks

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| 10:45-11:15 | Welcome addresses by Marc Schalenberg, Academic Coordinator of ZiF and the organizers |
| 11:15-12:30 | Suresh Venkatasubramanian: Fairness and abstraction in sociotechnical systems
Respondent: <i>Ignaz Rutter</i> |
| 12.30-13:30 | Lunch break |
| 13:30-14:45 | Adam Carter: Due Diligence and the Right to an Explanation
Respondent: <i>Hanno Sauer</i> |
| 14:45-15:15 | Coffee break |
| 15:15-16:30 | Interactive discussion |

WEDNESDAY, 7 NOVEMBER:

Explanation and explainability

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| 09:30-10:45 | Jeroen de Ridder: Algorithm-based illusions of understanding
Respondent: <i>Mark Alfano</i> |
| 10:45-11:15 | Coffee break |
| 11:15-12:30 | Working group session 1
[Participants will be divided into groups A, B, and C based on their preferences. See appendix for more details on group assignments.] |

12.30-13:30	Lunch break
13:30-14:45	Giulio Mecacci: Explanation and Understanding in Self-Driving Cars Respondent: <i>Filippo Santoni de Sio</i>
14:45-15:15	Coffee break
15:15-16:30	Working group session 2 Plenary discussion of problems and questions
18.00	Dinner at ZiF

THURSDAY, 8 NOVEMBER:**Case Studies**

09:30-10:45	Nava Tintarev: Diversity-aware Recommender Systems Respondent: <i>Emily Sullivan</i>
10:45-11:15	Coffee break
11:15-12:30	Kristian Bankov: Understanding the Algorithms of the Economic Reason Respondent: <i>Dario Martinelli</i>
12.30-13:30	Lunch break
13:30-14:45	Working group session 3
14:45-15:15	Coffee break
15:15-16:30	Working group session 4 Plenary discussion of progress, problems, and questions

FRIDAY, 9 NOVEMBER:**White paper drafting**

09:30-10:45	Interactive discussion and planning
10:45-11:15	Coffee break
11:15-12:30	Drafting session 1
12.30-13:30	Lunch break
13:30-14:45	Drafting session 2
14:45-	Departure

Working Groups: Participants are welcome to recommend alternative themes before the assignment to groups on 7 November. We will assign people to one of their preferred groups, with an eye to ensuring disciplinary diversity within groups.

Group A	Group B	Group C
Theme: Accountability Case: Autonomous transportation	Theme: Trust Case: Recommender systems	Theme: Fairness Case: Policing & Security