



Welcome to the Ontology Summit 2019 Symposium

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Topic: Explanations

An explanation is the answer to the question "Why?" as well the answers to followup questions such as "Where do I go from here?" Accordingly, explanations generally occur within the context of a process, which could be a dialog between a person and a system or could be an agent-to-agent communication process between two systems. Explanations also occur in social interactions when clarifying a point, expounding a view, or interpreting behavior. In all such circumstances in common parlance one giving/offering an explanation.

Summary of Discourse

- 21 Sessions
 - 16 Regular Sessions
 - 3 Synthesis Sessions
 - 2 Symposium Sessions
- 18 Invited Speakers
- 5 Tracks
 - Commonsense
 - Narrative
 - Financial
 - Medical
 - Explainable AI

Date	Speaker	Topic	Presentation	Recording
11/14	John Sowa	Explanations and help facilities designed for people	Slides 	Video 
11/28	Ram D. Sriram and Ravi Sharma	Introductory Remarks on XAI	Slides 	Video 
	Derek Doran	Okay but Really... What is Explainable AI? Notions and Conceptualizations of the Field	Slides 	
12/05	Gary Berg-Cross and Torsten Hahmann	Introduction to Commonsense Knowledge and Reasoning	Slides 	Video 
1/16	Ken Baclawski	Introductory Remarks	Slides 	Video 
	Gary Berg-Cross and Torsten Hahmann	Commonsense	Slides 	
	Donna Fritzsche and Mark Underwood	Narrative	Slides 	
	Mark Underwood and Mike Bennett	Financial Explanation		
	Ram D. Sriram and David Whitten	Medical Explanation		
	Ram D. Sriram and Ravi Sharma	Explainable AI	Slides 	
1/23	Michael Grüninger	Ontologies for the Physical Turing Test	Slides 	Video 
	Benjamin Grosz	An Overview of Explanation: Concepts, Uses, and Issues	Slides 	
1/30	Donna Fritzsche	Introduction to Narrative		Audio only 
	Ken Baclawski	Proof as Explanation and Narrative	Slides 	
	Mark Underwood	Bag of Verses: Frameworks for Narration from Cognitive Psychology	Slides 	

2/6	Mike Bennett	Financial Explanations Introduction	Slides 	Video 
	Mark Underwood	Explanation Use Cases from Regulatory and Service Quality Drivers in Retail Credit Card Finance	Slides 	
	Mike Bennett	Financial Industry Explanations	Slides 	
2/13	David Whitten	Introduction to Medical Explanation Systems		Slides 
	Augie Turano	Review and Recommendations from past Experience with Medical Explanation Systems	Slides 	
	Ram D. Sriram	XAI for Biomedicine	Slides 	
2/20	William Clancey	Explainable AI Past, Present, and Future—A Scientific Modeling Approach	Slides 	Video 
3/6	Niket Tandon	Commonsense for Deep Learning	Slides 	Video 
3/13	Ilaria Tiddi	Building Intelligent Systems (That Can Explain)	Slides 	Video 
	Dennis Wuthrich	Arches: Using Ontologies to Protect Cultural Heritage	Slides 	
3/27	Ugur Kursuncu and Manas Gaur	Explainability of Medical AI through Domain Knowledge	Video 	
4/3	Giedrius Buračas	Deep Attentional Representations for Explanations - DARE	Video 	
4/10	Sargur (Hari) Srihari	Explainable Artificial Intelligence: The Probabilistic Approach	Slides 	Video 
4/17	Arash Shaban-Nejad	Semantic Analytics for Global Health Surveillance	Slides 	Video 

Symposium Schedule: Day 1

- Gary Berg-Cross and Torsten Hahmann: Commonsense
- Janet Singer: Narrative
- Panel Discussion
 - John Sowa
 - Michael Grüninger
 - Amit Sheth
 - Hari Srihari

Symposium Schedule: Day 2

- Mike Bennett: Financial
- David Whitten: Medical
- Ram D. Sriram and Ravi Sharma: Explainable AI
- Ken Baclawski: Communiqué