Robot explanatory narratives of collaborative and adaptive experiences

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Research questions

RQ1 — How can robots construct the narrative of their collaborative and adaptive events (experiences)? RQ2 — How does the narratives' specificity affect the users perceived



Ontological explanatory narratives are useful to understand robot behavior



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		AXON in a glimp
Retrieve instances with time interval routine		$\langle Event_{15}, 100.0, 142.0 \rangle, \\ \langle Event_{27}, 200.0, 240.0 \rangle.$
Retrieve narrative tuples routine		\mathcal{T}_{e_1} . (Robot, hasPlan, Place \mathcal{T}_{e_2} . (Event_27, hasParticipa \mathcal{T}_{e_3} . (Place Tokens By Colo \mathcal{T}_{e_4} . (Human, isParticipantI \mathcal{T}_{e_5} . (Human, type, Physica
	Casting, clustering, and ordering	$\mathcal{T}_{e_{1}}^{\prime} \cdot \langle \text{Event}_{27}, \text{hasParticipa} \\ \mathcal{T}_{e_{2}}^{\prime} \cdot \langle \text{Event}_{27}, \text{hasParticipa} \\ \mathcal{T}_{e_{3}}^{\prime} \cdot \langle \text{Human, type, Physica} \\ \mathcal{T}_{e_{4}}^{\prime} \cdot \langle \text{Human, hasPlan, Place} \\ \mathcal{T}_{e_{5}}^{\prime} \cdot \langle \text{Robot, hasPlan, Place} \\ \mathcal{T}_{e_{5}}^{\prime} $
	Grouping (internal and external)	'Event_27' has participant ' 'Human' is a type of 'Agen 'Place Tokens By Color'. 'R