Aldo Gangemi
Short CV

- Aldo Gangemi is Full Professor at the University of Bologna, where he coordinates the HumanisticAI branch of AlmaAI (Alma Mater Institute for Human-centred Artificial Intelligence).
- He is Associate Researcher at ISTC-CNR, Rome.
- Since 2022, he is member of the Management Board of the National Laboratory of Artificial Intelligence and Intelligent Systems of CINI (the Italian Consortium of Italian computer science researchers).
- From 2019 to 2023 he has been Director of ISTC-CNR, the Institute of Cognitive Sciences and Technologies of the Italian National Research Council (hosting about 150 researchers in 18 laboratories, 10 of which on interdisciplinary AI topics, in Rome, Padua, Catania, Trento, and Bologna. ISTC currently manages 64 projects for ≈35M€, including 29 international projects).
- He co-founded ISTC's Semantic Technology Lab in 2008, a key group in hybrid knowledge engineering and semantic tech.
- From 2019 to 2023 he has been member of the Board of Directors at IMT School for Advanced Studies Lucca.
- His research focuses on Neurosymbolic Artificial Intelligence as an integration of methods from Knowledge Representation and Reasoning, Machine Learning, and Cognitive Science. In particular, recent research concentrates upon the representation, discovery and reasoning on *knowledge patterns* across data, ontologies, natural language and cognition, using hybrid symbolic/sub-symbolic methods for extraction and automated reasoning on knowledge graphs. Applications domains include Cultural Heritage, Industry, Medicine, Law, eGovernment, Agriculture and Fishery, eLearning, and Public Administration.
- He is Editor or EB member of international journals (Semantic Web, Web Semantics, Applied Ontology), and has been Conference Chair in different venues (LREC2006, EKAW2008, WWW2015, ESWC2018).
- He has coordinated research teams in 8 EU projects and has been the scientific coordinator of the H2020 SPICE project.
- He has published more than 300 papers in international peer-reviewed journals, conferences and books (Scholar H-index=63 with ≈19,500 citations. He is among the top 40 Italian computer science researchers according to research.com).
- He has given more than 60 invited lectures in international academic, institutional and industrial venues, has supervised ≈30 post-docs, supervised or participated in 15 EU projects and 18 Italian projects, and has been consultant for ≈20 institutions or companies.
- He is one of the designers of the DOLCE foundational ontology, the Framester factual-linguistic linked data cloud, the ArCo cultural heritage ontologies for the Italian Ministry, the OntoPiA ontologies for Italian Public Administration, and the FRED, Sentilo, and Aemoo software projects (cf. http://stlab.istc.cnr.it/stlab-tools). He is one of the initiators of the Ontology Design Patterns movement.