

# John Mylopoulos: “Philosophical Foundations of Conceptual Modelling: What is a Conceptual Model?”

## Bibliography:

- Abrial J-R., “Data Semantics”, in Klimbie J. and Koffeman K. (eds) Data Management Systems, North-Holland, 1972.
- Atzeni P., Ceri S., Paraboschi S., Torlone R., Database Systems: Concepts, Languages and Architectures, The McGraw-Hill Companies, 1999.
- Baader F., Calvanese D., McGuinness D., The Description Logic Handbook: Theory, Implementation, Applications, Cambridge University Press, 2003.
- Borgida A., ElRakaiby Y., Ferrari A., Mylopoulos J., “A Refinement Calculus for Requirements Engineering based on Argumentation Theory”, submitted for publication.
- Brachman, R., “What’s in a Concept: Structural Foundations for Semantic Networks”. International Journal of Man-Machine Studies 9(2), 127–152, 1977.
- Chen P., “The Entity-Relationship Model: Towards a Unified View of Data”, ACM Transactions on Database Systems 1(1), 9-36, 1976.
- Dahl O-J., Myhrhaug B., “Some Features of the Simula 67 Language” 2nd Conference on Applications of Simulations. 29–31, 1968.
- Dardenne A., van Lamsweerde A., Fickas S., “Goal-directed Requirements Acquisition”, Science of Computer Programming, 20, 1993.
- Delcambre L., Liddle S., Pastor O., Storey V., “A Reference Framework for Conceptual Modeling”, International Conference on Conceptual Modeling, Springer, 2018.
- Dung, P.M.: On the acceptability of arguments and its fundamental role in nonmonotonic reasoning, logic programming and n-person games. AI Journal 77(2), 321–357 (1995)
- Fodor, J. (1975). The Language of Thought, Cambridge, MA: Harvard University Press.
- Greenspan S., Mylopoulos J., Borgida A., “Capturing More World Knowledge in the Requirements Specification”, 6th International Conference on Software Engineering, Kyoto, 1982.
- Guarino N., Guizzardi G., Mylopoulos J., “On the Philosophical Foundations of Conceptual Models”, 29th European-Japanese Conference (EJC’19), Lappeenranta Finland, June 2019.
- Hammer M., McLeod D., “The Semantic Data Model: A Modelling Mechanism for Database Applications”, ACM SIGMOD Conference, 1978.
- Kuipers B., Modelling and Simulation with Incomplete Knowledge, MIT Press, 1994.
- Levesque H., Mylopoulos J., “A Procedural Semantics for Semantic Networks”. in Associative Networks: Representation and Use of Knowledge by Computers, 93–120, 1979.
- [MacKay19] [serc.carleton.edu/sp/library/conceptualmodels/index.html](http://serc.carleton.edu/sp/library/conceptualmodels/index.html).

- Minsky M., “A Framework for Representing Knowledge”, memo no.306, AI Lab, MIT, 1974.
- Mylopoulos J., “Information Modeling in the Time of the Revolution”, Information Systems 23(3-4), 1998.
- Page S., The Model Thinker, Basic Books, 2018.
- Quillian R., “Semantic Memory”, in Minsky M. (ed.) Semantic Information Processing, MIT Press,1968.
- Ross D., “Structured Analysis (SA): A Language for Communicating Ideas”. IEEE Transactions on Software Engineering 3(1), 16–34, 1977.
- Roussopoulos N and Mylopoulos J., “Using Semantic Networks for Database Management”, First Very Large Databases Conference, Austin, 1975.
- “Concepts”, Stanford Encyclopedia of Philosophy, 2005.
- “Associationist Theories of Thought”, Stanford Encyclopedia of Philosophy, 2018.
- Simon H., The Sciences of the Artificial, MIT Press 1969.
- Yu E., “Towards Modelling and Reasoning Support for Early Phase Requirements Engineering”, 3rd IEEE International Symposium on Requirements Engineering, Annapolis, January 1997.
- Wittgenstein, L., Philosophical Investigations, Oxford Blackwell, 3rd edition, 1953.