## Artificial Intelligence

## **Classic Paper Award 2020**

## **Temporal Constraint Networks**

Rina Dechter, Itay Meiri, Judea Pearl Volume 49, May 1991, Pages 61-95

This seminal paper introduced the temporal constraint satisfaction problem (TCSP), for quantitative temporal reasoning. The TCSP, and the polytime solvable special case of simple (non-disjunctive) temporal problems, have gained widespread use in planning & scheduling and other applications. The simple and elegant problem formulation of this paper also inspired subsequent work on temporal reasoning with temporal uncertainty, preferences, and other extensions.

Patrick Doherty

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S. Thiébaux

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