

Séminaire de Dr. Pascal Van Hentenryck, Wednesday 24th January at 10:30

The CERC and HANALOG are especially happy to invite everybody to the seminar of Dr. Pascal Van Hentenryck that will take place at the Amphitheatre Groupe Commerce #6254 (6th floor in the Pavillon of André-Aisenstadt), the Wednesday 24th January at 10:30 AM.

Infrastructure Optimization in Data-Rich Environments

Pascal Van Hentenryck

Ubiquitous connectivity and the availability of historical and real-time datasets present unique opportunities for rethinking how various infrastructures are operated and optimized. This talk will review recent progress on two critical infrastructures: the electrical power grid and the transportation network. On the grid side, the talk will discuss how recent progress in convex optimization enables novel approaches to a variety of planning and operational optimization problems, as well as new insights on how these networks behave at scale. On the transportation side, the talk demonstrates how novel mobility systems can address the infamous first/last mile problem and improve accessibility for various population segments. Finally, the talk will briefly discuss how to preserve privacy in such data-rich environments.

Dr. Van Hentenryck is one of the most distinguished and influential scholars at the intersection of Mathematical Optimization, Constraint Programming and Data Science with fundamental contributions to both theory and practice

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