

**A**utomatisation

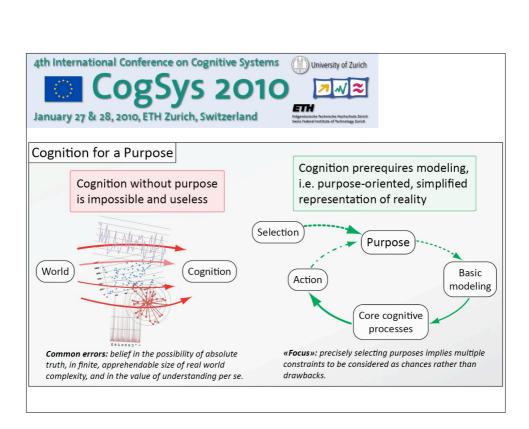
Industrielle

Haute Ecole Spécialisée

de Suisse occidentale

Haute Ecole d'Ingénieurs et de Gestion

du Canton de Vaud

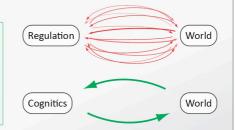




## Cognitics help Controlling

Cognitics extend the possibilities of classical regulation and often lead to drastic improvements in system dynamics and stability:

- identifying relevant factors and processes
- determining critical values
- sparing measurements
- reducing or sometimes even eliminating critical delays
- anticipating effects and compensating for disturbance



27-28.01.2010

Jean-Daniel Dessimoz, Prof. HESSO.HEIG-VD

3/4





## References

- Jean-Daniel Dessimoz, "Cognition Dynamics; Time and Change Aspects in Quantitative Cognitics",
  Second International Conference on Intelligent Robotics and Applications. Singapore, 16 18 December, 2009
- Jean-Daniel Dessimoz, Pierre-François Gauthey, "RH4-Y Toward A Cooperating Robot for Home Applications", Robocup-at-Home League, Proceedings Robocup09 Symposium and World Competition, Graz, Austria, June-July 2009

27-28.01.2010

Jean-Daniel Dessimoz, Prof. HESSO.HEIG-VD

4/4