

Pipit ANGGRAENI

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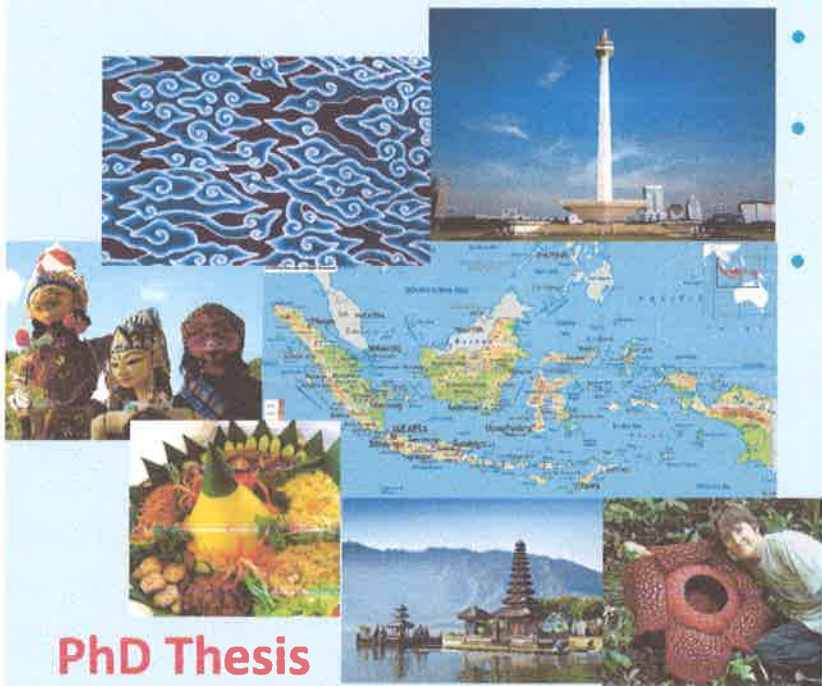
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LAMIH (Laboratory of Industrial and Human Automation control, Mechanical engineering and Computer Science)

Université Valenciennes et du Hainaut-Cambrésis

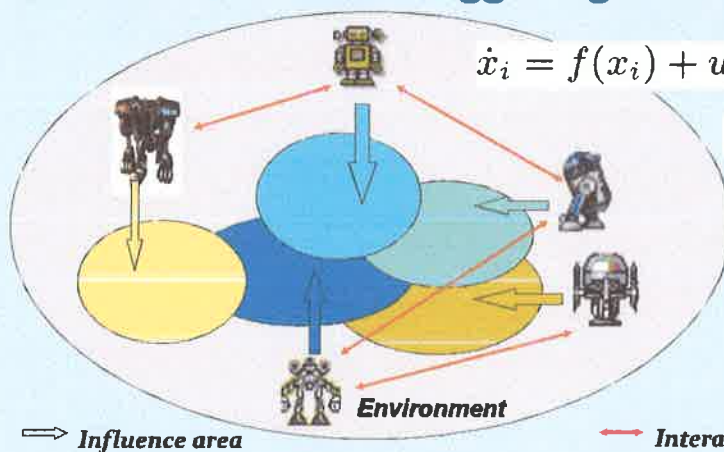


Where do I come from



PhD Thesis

Desentralized Self-Triggering Control for Multi-Agent Systems



$$\dot{x}_i = f(x_i) + u_i, \quad i \in \{1, \dots, n\}$$

$$L(t) = L_{\sigma}(t)$$

- Find a good time-varying sampling

Implementation on microcontrollers to control a team of robots

- Find a robust decentralized control law

$$\mathcal{I} = \{t_k\}_{k \geq 0}$$

$$\kappa_i(x) = k \sum_{j \in \mathcal{N}_i(t)} (x_j - x_i), \quad i \in \{1, \dots, n\}$$



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