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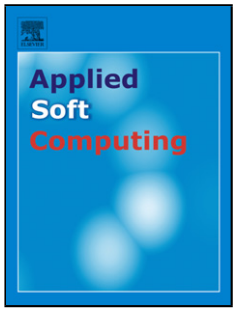

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Author: Sergio Jurado Àngela Nebot Fransisco Mugica Mihail Mihaylov

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Fuzzy Inductive Reasoning Forecasting Strategies Able to Cope with Missing Data:
A Smart Grid Application

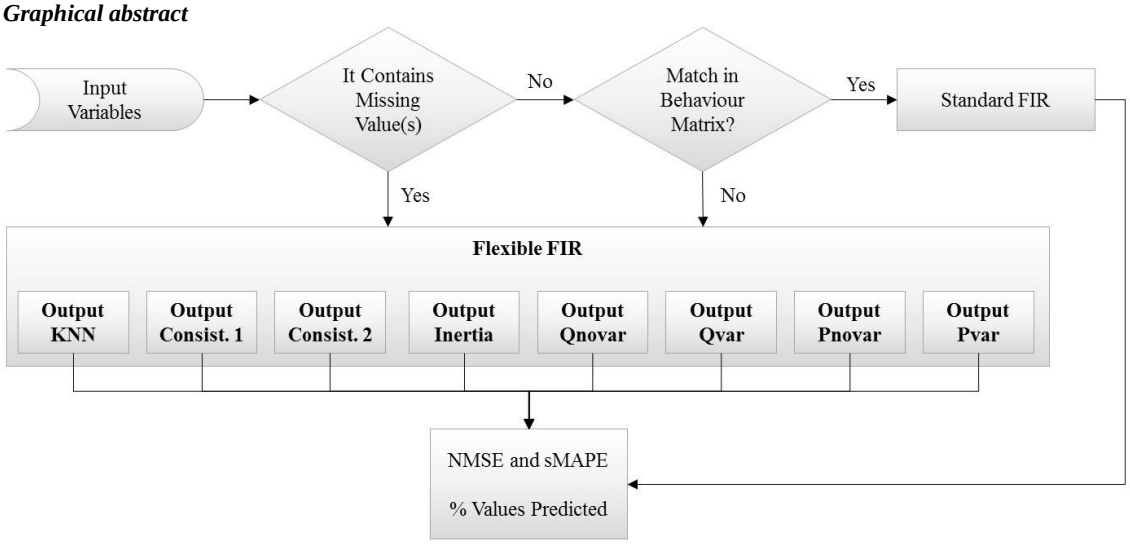
Sergio Jurado[a], Àngela Nebot[b], Fransisco Mugica[b] and Mihail Mihaylov[c]

[a] *Sensing & Control Systems, Aragó 208-210, 08011 Barcelona, Spain*
Email: sergio.jurado @sensingcontrol.com
Email: s.juradogomez@gmail.com
Phone: +34 605 565 303;

[b] *Soft Computing research group, Technical University of Catalonia, Jordi Girona 1-3, 08034 Barcelona, Spain*
Email:{angela,fmugica}@lsi.upc.edu

[c] *AI lab, Vrije Universiteit Brussel, Pleinlaan 2, 1050 Brussels, Belgium*
Email: mmihaylo@vub.ac.be

Graphical abstract



Highlights

- We developed an improved version of FIR[1] that can cope with MVs[2]: flexible FIR
- Eight different strategies of prediction for flexible FIR are proposed
- We compare with energy real data from eight buildings with different profiles
- Better results are obtained in those strategies making use of causal relevance
- Flexible FIR predicts 97% of registers when 73% of training data have MVs

[1] Fuzzy Inductive Reasoning
[2] Missing Values