Cognitive&Uncertainty Group

The research group is engaged in development and application of cognitive models on the basis of type-2 fuzzy sets for the decision of the following problems:
1. Clustering.
2. Parametrical and structural identification.
3. Management in human - machine systems.

By group are developed and introduced:
1. The module of the structural analysis of time series of cognitive factors.
2. The module of supporting decision-making about readiness of the person-operator in complex systems.
3. Library package and toolbox supporting discrete interval type-2 fuzzy logic systems.

Areas of application:
1. Training complexes for the human – operator.
2. Computer games.
3. A robotics.
4. Learning systems.
5. Systems of identification on the basis of processing of the biometric data.

https://sites.google.com/site/dit2flseng

tgpetrenko55@gmail.com

yulia.reznichenko@gmail.com

o.s.timchuk@gmail.com