

Short course in Neural Networks 3 Days (first week of July 2006)

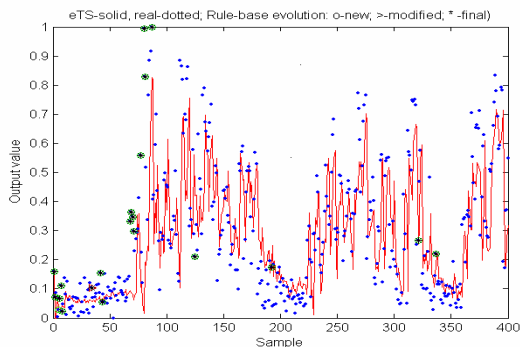
The Department of Communications is internationally recognised by its contribution to different fields of Information and Communication Technologies (ICT) and provides academic research for InfoLab21 which is Lancaster University's world-class research, development and business centre in ICT. The Department provides dedicated state of the art Labs including the **Intelligent Systems Research Lab**, which hosts the course.

It is now offering this opportunity to

- ✓ **Learn more about** artificial neural networks (**ANN**)
- ✓ **Discover some amazing applications of ANN** (to classification, handwritten character recognition, robot self-localization and navigation, etc.)
- ✓ **Acquire first hand information about advanced fuzzy ANN** used by a number of **leading companies and Universities** for cutting edge applications
- ✓ **Get hands on experience** in designing simple ANN in the most popular language for engineering programming, Matlab®

ANN are used by the leading companies for prediction, classification, control, fault detection and many other practical applications in process control industries, financial market analysis, defence etc. Some examples of recent research projects at the **Intelligent Systems Research Lab** (using advanced neuro-fuzzy systems):

**Modelling speech in parameter domain (NOKIA-UK)**



**Mobile robots navigation and control (Qinetiq)**



This course is most suitable for:

- Post-graduate students
- Practicing engineers from telecommunication, process control, marketing etc.
- Young researchers and professionals

For more details about the research expertise and the facilities provided, please, visit the Departmental web site at <http://www.dcs.lancs.ac.uk>.

For more details regarding the program of this short course and the topics covered, please, download its synopsis from [http://www.lancs.ac.uk/staff/angelov/nnpr\\_flyer.pdf](http://www.lancs.ac.uk/staff/angelov/nnpr_flyer.pdf).

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For **registration**, please contact [j.greenwood@lancaster.ac.uk](mailto:j.greenwood@lancaster.ac.uk) (cost of the course: £650)

