

# The Art and Science of Pattern Recognition (ASPR 2005)

on the occasion of the retirement of  
Prof. Eric Backer from TU-Delft  
April 18, 2005

Location: The Lindenhof, Zocherweg 9, Delft

## Scope

Pattern recognition is an art. Human beings are using pattern recognition, often unconsciously, as a routine task on numerous occasions in our every day life. In many cases we can not explicitly state how we do this or how we learned to do it. Pattern recognition is a science in which we aim to imitate a specific human ability by a machine. Various approaches are available, based on feature descriptions, (dis)similarities, prototypes and rules as part of an expert system. A successfully (trained) system can be applied to new samples without serious loss of performance. Pattern recognition deals with "art" and "science" when the construction of systems is studied that aim to automatically answer questions related to authenticity and human artistic impressions such as "Is this painting really by Rembrandt?", "Which genre of music is this?" or "What is this poem about?"

## Symposium Programme

- 14:30 Welcome with coffee/tea
- 15:00 Inald Lagendijk (TUD): Opening of the plenary programme
- 15:05 Bob Duin (TUD): Art, pattern recognition and consciousness
- 15:25 Anil K. Jain (MSU): Clustering: User's dilemma
- 16:00 Mark van Staalduin (TUD): An authentic approach of art informatics
- 16:15 Peter van Kranenburg (UU): Towards a quantitative method for musical style modeling
- 16:30 Lou Feijs (TU/e): The language of Mondriaan
- 16:50 Closing of plenary programme
- 17:00 Poster session, music, drinks and informal gathering
- 19:00 Closing of symposium

## Call for Posters

We invite researchers and artists to present their recent results in the above-mentioned fields of pattern recognition during the poster session. Prospective poster presenters are invited to submit their 1/2 - 1 page abstract in pdf format to [aspr2005@ewi.tudelft.nl](mailto:aspr2005@ewi.tudelft.nl) before March 15, 2005.

## Participation

Attendance of the plenary session and the poster session is free of charge. We do, however, require advance registration as capacity is limited. To register for the symposium, send an e-mail with your name and address information to [aspr2005@ewi.tudelft.nl](mailto:aspr2005@ewi.tudelft.nl) before April 4, 2005.

## Poster Session/Reception

The poster session/reception is organized as a separate event for those who can not attend the entire programme. During the poster session, prof. Eric Backer will be available for scientific discussions and a toast to the future of the art and science of pattern recognition. In lieu of gifts, Prof. Backer requests financial donations for the "Nationale Revalidatie Fonds" on Giro account 953 in name of NRF, Bunnik.

## Contact

For more information, please contact Mrs. Anja van den Berg at +31 15 278 6052 or [aspr2005@ewi.tudelft.nl](mailto:aspr2005@ewi.tudelft.nl)