
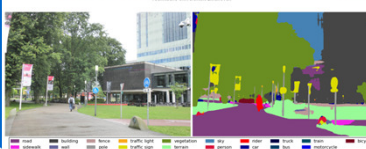

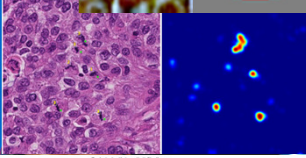


WIC Midwinter Meeting 2018 – Deep Learning

Peter H.N. de With
Gijs Dubbelman



Werkgemeenschap voor Informatie- en Communicatietheorie



IEEE
Advancing Technology for Humanity

TU/e Technische Universiteit Eindhoven
University of Technology

WIC Midw. meeting Deep Learning
TU/e, 24 Jan 2018

Where innovation starts

WIC Midwinter meeting / Jan. 24, 2018

On behalf of the organizers and our supporting institutions

- Werkgemeenschap Informatie- en Communicatietheorie
- IEEE Chapter IT in Benelux

Welcome to all !



Werkgemeenschap voor Informatie- en Communicatietheorie

IEEE
Advancing Technology for Humanity



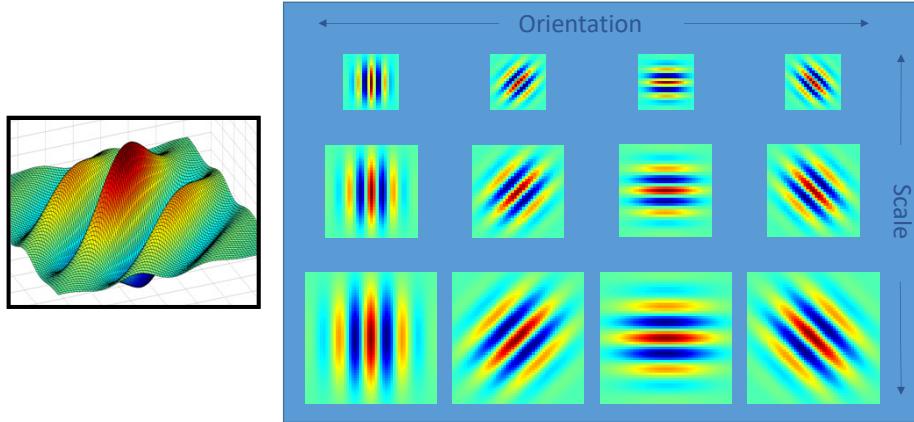
VCA
Video Coding & Architectures
research group

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Slide 1 **TU/e** Technische Universiteit Eindhoven
University of Technology

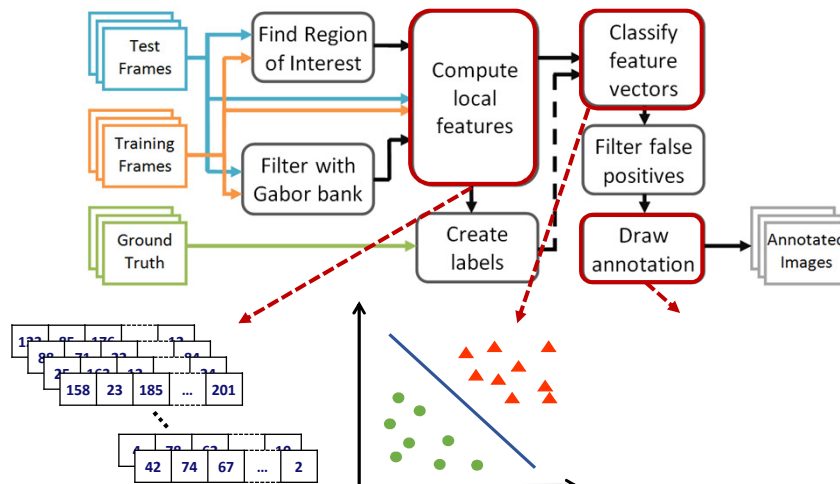
Introduction / Not so long ago – (1)

- **Spectral analysis** of image patches
- Gabor filter banks using a specific scale and orientation



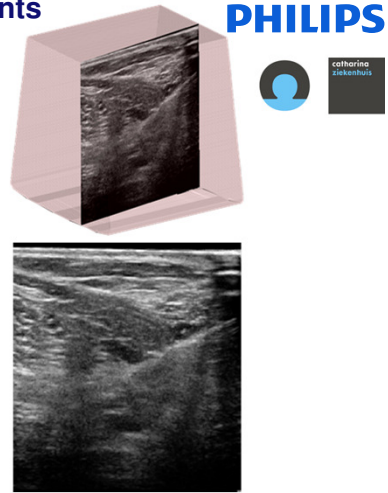
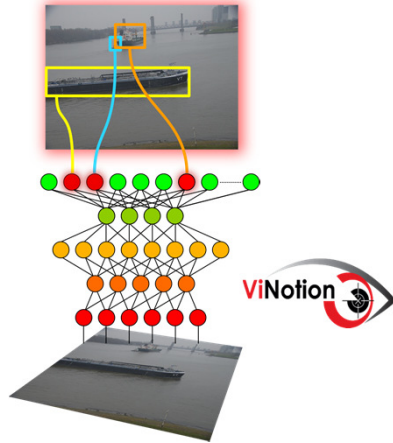
Introduction / Not so long ago – (2) Detection & Classification sub-systems

- **An Object Annotation System**



Now we learn objects ... With a network

- Filters, selecting, feedback elements



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Slide 4



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Final Program



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Slide 5



Final Program Midwintermeeting – (1)

**Introduction by WIC chair Dr. Jos Weber (TU Delft) &
Program Chair: Prof.dr. Peter H.N. de With (TU/e)**

A. ACADEMIC SESSION

10.10 -- 10.50 hrs. Prof.dr. Marcel v Gerven (Radboud Nijmegen),
“Deep Learning in Cognitive Science”.

10.50 – 11.15 hrs. Coffee Break

11.15 – 11.55 hrs. Dr. Cees Snoek (Univ. of Amsterdam),
“Video Recognition from a sentence”,

11.55 – 12.35 hrs. Prof.dr. Theo Gevers (Univ. of Amsterdam),
“Deep Learning in image and face intrinsics”

12.35 – 13.35 hrs. Lunch break



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Final Program Midwintermeeting – (2)

B. INDUSTRIAL SESSION and SURVEILLANCE APPLICATIONS

13.35 – 14.10 hrs. Dr. Guillaume Barat (nVidia Europe),
“nVidia GPUs Deep Learning tools in Smart City cases”

14.10 – 14.35 hrs. Dr. Bas Boom (CycloMedia Technol., Zaltbommel, NL),
“One method to infer them all?”

14.35 – 15.00 hrs. Dr. Rob Wijnhoven (ViNotion BV) and Matthijs Zwemer,
“Traffic Analysis with Deep Learning”

15.00 – 15.25 hrs. Dr. Gijs Dubbelman & Panagiotis Meletis (TU/e, VCA),
“Efficient street scene semantic segmentation for Autonomous Driving”

15.25 - 15.50 hrs. Coffee & Tea, drinks

C. HEALTHCARE SESSION

15.50 – 16.20 hrs. Dr. Javier Olivan Bescos (Philips Healthcare, Best, NL)
“Deep Learning for interventional X-ray”

16.20 – 16.45 hrs. Dr. Sveta Zinger and Farhad G. Zanjani (TU/e, VCA),
“Deep Learning for computational pathology”

16.45 -- 16.55 hrs. Closing Statements by Program chair and WIC chair



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Slide 7

