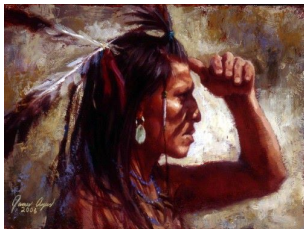


# Final Report by the “Verkenningcommissie 3: Bachelors Informatiewetenschappen”



Rob Belleman, Wan Fokkink, Jacobijn Sandberg, Arnoud Visser

## Some context

The Computer Science units at UvA and VU are joining forces.

Joint MSc degrees in Computer Science and Computational Science, and close collaboration in the MSc Artificial Intelligence at the UvA.

The intention is that in 2018, both will move into the NU building at Science Park Zuid (the VU campus)

Synergy leads to stronger research groups and educational programs.

Combined we will be one of the strongest Computer Science units in Europe.

# Goal of the committee

Explore how UvA and VU will organize their six BSc programs together from 2018-2019 on.

UvA:

- ▶ Informatica
- ▶ Informatiekunde
- ▶ Kunstmatige Intelligentie

VU:

- ▶ Computer Science (*in English*)
- ▶ Information, Multimedia & Management
- ▶ Lifestyle Informatics

## Members of the committee

- ▶ *UvA*: Jacobijn Sandberg (opleidingsdirecteur IK), Rob Belleman (opleidingsdirecteur INF), Bert Bredeweg & Arnoud Visser (opleidingsdirecteur KI), Ulle Endriss, Floris Roelofsen & Christian Schaffner (ILLC), Thea van Schoot & Babette Sluijter (onderwijsondersteuning), Fokke Dekker, Iris Meerman, Jonas Lodewegen, Kjeld Oostra, Tycho van der Ouderaa & Alessandra van Ree (student)
- ▶ *VU*: Wan Fokkink (opleidingsdirecteur CS-IMM-LI), Evert Haasdijk (opleidingsdirecteur Master Artificial Intelligence), Victor de Boer & Michel Klein (universitair docent), Otto Schrofer (onderwijsondersteuning), Vincent Gorka, Gerard van Hoesel & Rick van Rheenen (student)

## Differences in organization

*UvA*: Each program has a separate director and team of lecturers.

Few courses are shared between programs.

*Advantages*: dedicated program director and team of lecturers, focused courses

*VU*: One director and team of lecturers for the three programs.

Several courses are shared by the three programs.

*Advantages*: less compartmentalization (verkokering), professors as lecturers, students swap program in 1st year

# Toward a new organization

The committee advises to organize the six programs in two domains.

- ▶ Informatiekunde/IMM (under one *CROHO* label)  
Lifestyle Informatics
- ▶ Computer Science  
Informatica  
Kunstmatige Intelligentie

Courses are only shared by programs in the same domain.

In the long run, each domain could have one program director and team of lecturers.

## Location

In 2018, all programs may move to *Science Park Zuid* (VU campus).



A possible exception could be *Kunstmatige Intelligentie*, in view of its ties with *Science Park Oost* (UvA campus), especially ILLC.

The intention is that most BSc programs will turn to English.

## Advantages:

- ▶ international atmosphere
- ▶ foreign staff members can teach at BSc level

Only *Informatica* would continue to be taught in Dutch after 2018.

It may possibly merge with *Computer Science* into one program later on.

Its CROHO label can then be used for an entirely new program, in *security* or *data science*.



## Side conditions

Good UvA-VU administration and information systems for education

Decentralized student-, lecturer- and IT-support

Excellent and modern education facilities in the NU building

Uniform, clear and balanced financial model for education

English language training facilities for staff members and students

Proper branding of both the combined institutes and the individual programs

# Curriculum committees

Draft curricula were composed for Informatiekunde/IMM and Computer Science/Informatica.



These serve as input for curriculum committees that will be asked to propose curricula for these programs.

# Advantages for students

More tailored education

More choice options

More profiling to adapt to different types of students

A wider range of expert lecturers and thesis topics

A new building, for a large part dedicated to computer science

Being part of a vibrant university campus

Questions or remarks ?

