Annual Report PC-CS (Programme Committee Computer Science) 2021-2022

The PC-CS is responsible for advising the Programme Director on the Bachelor Programme Technical Computer Science and the Master Programmes Computer Science. The PC-CS consists of four staff members, four student members and a secretary. The Programme Director, Programme Coordinators, and the Officer of Educational Affairs of the study association have standing invitations to attend the meetings.

Members
The members of the PC-CS were in the academic year 2021-2022:

Staff members:
- Rom Langerak (president)
- Elena Mocanu
- Anna Sperotto
- Erik Tews

Student members:
- Joris Kuiper (vice president) (until June 2022, Bachelor student)
- Jelle van den Wijngaard (Bachelor Student)
- Willem Schooltink (until December 2021, Master Student)
- Bugra Yildiz (until June 2022, Bachelor Student)
- Daniël Floor (vice president) (from March 2022, Master student)

Registrar:
- Sabine Padberg-Heskamp

Minute secretary:
- Patrick van Oerle

Several topics may be prepared by Work Groups that meet prior to the PC-CS meetings. In this period there were three Work Groups active:

Work Group Curriculum
- Rom Langerak (president)
- Joris Kuiper
- Elena Mocanu
- Anna Sperotto
- Bert Molenkamp (external member)

Work Group EER

- Erik Tews (president)
- Willem Schooltink
- Jelle van den Wijngaard

Work Group Quality Assurance
- Anna Sperotto (President)
- Rom Langerak
- Elena Mocanu
- Bugra Yildiz

Quality Assurance Interviews

In 2019 the PC-CS has introduced and implemented the concept of quality assurance interviews (QAI). The goal of these interviews is to have an informal conversation between two PC members (a student and a teacher) and a teacher about their course. This can either be a bachelor module or a master course. During the conversation the SEQ evaluations and the teacher's reflection are covered, as well as future planned improvements. After the conversation the PC members write a short report that is briefly discussed (for information) in the PC-CS.

The main objective is to promote reflection of the education on the part of the teachers, and to establish an ongoing dialogue between teachers and the PC-CS. In addition, QAI's may provide a sample assurance on whether the Quality Assurance procedures are in place.

A QAI has been held for the following courses during the academic year 2021/2022:

2020/2021 Courses:
- Module 2: Software Systems
- Module 8a: Programming Paradigms
- Module 4: Data and Information
- Real Time Systems 2 (MSc)
- Introduction to Quantum Computing (MSc)

2021/2022 Courses:

- Empirical Security Analysis Engineering (MSc)
- Secure Data Management (MSc)
- Module 1: Pearls of Computer Science
- Module 6: Intelligent Interaction Design
- Performance Evaluation (MSc)
- Module 3: Network Systems
- Data Science (MSc)
- Blockchain and Distributed Ledger Technology (MSc)

Several planned QAIs did not take place because of unavailability of teachers or because students left the PC-CS. The ambition is to have 3-4 QAIs every quartile.

Meetings

The PC-CS has had 11 meetings:
- 159: September 14, 2021
- 160: October 12, 2021
- 161: November 16, 2021
- 162: December 14, 2021
- 163: January 18, 2022
- 164: February 15, 2022
- 165: March 15, 2022
- 166: April 12, 2022
- 167: May 10, 2022
- 168: June 7, 2022
- 169: July 12, 2022

The PC-CS has had discussions (and provided recommendations) on a variety of topics given here below. Behind each topic is given the number of the meeting where this topic has been discussed; details can be found in the minutes of the indicated meeting.

Changes in the Curriculum

- MSC course User-Centered Security (from TU Delft) 159
- Extension Concurrent Programming in Programming Paradigms 160
- Quartile change Ubiquitous Computing 161
- MSc course Cloud as Infrastructure 161
- New test schema module Data and Information 161
- MSc course Programming Principles, Patterns, and Processes 164
- BSc module DS&AI: Seeing through the hype 164
- BSc module Intelligent Embedded Systems 165, 166
- Changes to MSc course Security Services for IoT 167

Changes in the EER

- Proctoring 159
- Integrated vs coherent modules after the first year 160, 161, 162, 163
- Evaluation PILO's 162, 163
- Checklist EER 166
- New Ma EER 167, 168, 169
- New Ba EER 167, 168, 169
- Combined Final Projects in OSIRIS 167

Quality Assurance of Modules and Courses

- QAIs 159, 160, 161
- CEEP evaluations 166

Working Procedures of the PC-CS

- Training course for PC
- Composition working groups 160, 166
- Composition PC
- Annual Report 161, 162
- Online vs on campus meetings 160, 168
- EEMCS PC chairs meeting 162
- Relation with Faculty Council 163
- Social activity 168

Miscellaneous Topics

- Student wellbeing 159
- Numerus Fixus 159,160, 163
- Math in the modules 15, 160
- WSV Quality Agreement plans 160, 161, 165, 169
- Professionalization of TA's162
- Houses in the Bachelor 165
- Study load in double degree programme 169

Reflection on the PC-CS in the academic year 2021-2022

- The PC-CS will for the time being continue to meet online. It is convenient if there are people who cannot be on campus (and we prefer then an online meeting over a hybrid meeting). We also feel that online meetings are efficient and orderly. We would like to meet on campus though every now and then, to know each other better. We will try to have at least once a year an online meeting followed by a lunch.
- We are happy with the format of the Quality Assurance Interviews. Our ambition is still to have four of them every quartile; several QAIs were cancelled because of members leaving the PC.
- The EER Work Group has been very active, and the Curriculum Work Group has been sufficiently active (though not as active as in the past). It might be the case that with the QAIs there is no pressing need for a Quality Assurance Work Group anymore.
- The procedure for teacher's reflections on SEQ evaluations needs to be put in place again. QAIs can then play a natural role in assuring (via samples) that the procedure is being followed.