
Minutes 44th meeting PC-S&C 29 August 2022, 11:00 – 11:30

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Present: Ronald Aarts (chairman), Francesco Nex, Maarten Korsten (programme director, PD), Alejandro Lopez Tellez, and Marissa Jonker (minutes maker)

10 Absent with notice: Sarthak Misra, Vignesh Balaji Vijayan, Jorien Berendsen (programme coordinator, PC), Jan Broenink (PD Robotics), Heidi Muijzer Witteveen (PC Robotics)

1. Opening

The chairman opens the meeting at 11:07.

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2. Minutes meeting 43 on 2 June 2022

Will be addressed next meeting.

3. Announcements, incoming and outgoing mail

Will be addressed next meeting.

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4. Discontinuation Master's programme Systems and Control

Clear letter on the topic about the discontinuation from Korsten. The Robotics programme has been agreed upon, which implies that the S&C programme will be discontinued. In the letter some consequences for students are given, and what will happen with the programme management. Broenink will take over directorship, and next year Muijzer Witteveen will become the programme coordinator.

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Info on the timeline: the official stop of influx of new students can only be in September 2024; it is too late to stop the influx in 2023. There will not be a S&C programme starting in 2024. If students insist to do S&C, they are allowed to, but they will be urgently advised to do the Robotics programme. Consequently, when they start S&C this year (2022), students have 4 year to finish the programme.

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Aarts asks about whether the influx in '*students are allowed to study 3 years from the point of time that the influx is stopped*' refers to the legal or the effective point of time. Korsten answers that this is the legal one. The last point of time that students can start S&C is September 2023, so including the year 2023 the students have 3 years.

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After the advice from the PC-SC, the letter will be sent to faculty board. Then it has to be approved by the faculty council. Then it will be forwarded to the university board, and has to be approved by the university council. Finally the discontinuation can be announced to the government before March 1st.

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45 The faculty board has to start the appointment procedure for the programme director in time.
The PC-SC might be consulted for this.

The discontinuation is agreed on.

50 Aarts will make the recommendation letter, and share it with Misra before sending it to
Korsten.

→ action 134

5. **Proposal for adaptation of the EER-S&C regarding compulsory courses**

55 Around spring there was a discussion about the scheduling of number of courses in S&C, and
the number of compulsory courses in the 4th quarter due to the Robotics programme. The
advice of the PC-SC was to move *Modelling & Simulation* to 3rd quarter, and to enable a start
of the *Integration Project* in the 3rd quarter. The move of *Modelling & Simulation* to the 3rd
60 quarter has a disadvantage for students from outside the UT starting in February because they
do not have the required knowledge obtained in the course *Engineering System Dynamics*.
Students are anyhow referred to Robotics, so they are offered a viable programme. It appears
that a modelling course is not compulsory in Robotics. The successor of *Modern Robotics* is
Modelling Dynamics and Kinematics which also contains a lot of modelling, so this course
might be suitable to take as modelling course for S&C students. This course is given in the 1st
65 quartile. Therefore a change in rules in the EER is proposed: Offer students a choice between
Modelling and Simulation and *Modelling Dynamics and Kinematics* as one compulsory course.
They can also take both, one being an elective course. For current students there is no change.

70 Nex wonders about the issue of his course *2D and 3D Scene Analysis* (now *AI for Autonomous
Robots*) being moved to the 4th quartile. The issue was that previously there were three
compulsory courses in that quartile, leaving no room for electives. Korsten answers that in the
4th quarter there is only *System Identification with Parameter Estimation and Machine
Learning* as a compulsory course, so the issue is fixed now.

75 Nex asks how many of the new students are S&C and Robotics. Korsten answers that there
are about 35 students starting one of the two, but it is not sure who does which. Robotics was
not available in Studielink, so they had to register for S&C. After the start of the programme,
students can be transferred to the Robotics programme if they want to.

80 Nex asks how the transition will take place if they are starting S&C courses in Q1. Korsten
answers that they will have to choose it this week (so before they start courses). All students
are informed about this, so they already had the possibility to check it out and choose Robotics.
If they want to transfer to Robotics this week, they have to indicate they want to change.

85 Lopez Tellez remarks that one week is not a lot to make that decision, especially with all the
specializations and profiles to choose from. Korsten answers that they will get an explanation
on this tomorrow, and a transfer during the first quarter will always be possible.

The proposal is agreed on.

UNIVERSITEIT TWENTE.

FACULTEIT ELEKTROTECHNIEK WISKUNDE & INFORMATICA

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Aarts has one remark about the *Integration Project*. The assignment is rewritten such that students can skip parts. They should enrol early on (not at the end of the year), s.t. they already can see what the problems are and if they can do parts of the projects (depending on which courses are already done). Korsten says that this will also be announced to the students.

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6. Any other business/Questions at the end of the meeting

No other business or questions.

7. Closure

Chairman closes meeting at **11:32**.

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Chairman will try to make an annual schedule for coming meetings.

→ **Action 135**

Action points

| Nr | Description | From meeting | Who |
|-----|--|--------------|------------|
| 126 | Post the announcement for new student members on Canvas | 04/04/2022 | Berendsen |
| 130 | Add courses to list for evaluation for Q3. | 12/05/2022 | P-director |
| 131 | Formulate recommendation on moving Modelling and Simulation to quartile 2A. | 12/05/2022 | Chairman |
| 132 | Send the summary of the EER to Korsten and Broenink | 02/06/2022 | Chairman |
| 133 | Read the course description document and if there are any comments, send an email before 17 June | 02/06/2022 | All |
| 134 | Write recommendation letter for discontinuation of S&C. | 29/08/2022 | Chairman |
| 135 | Make annual schedule for coming meetings | 29/08/2022 | Chairman |

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