ACIT4620 - Computational Intelligence: Theory and Applications

Exam Schedule and Instructions

(Lecturer: Prof Jianhua Zhang)

Schedule for the portfolio (two-part) exam:

Exam - Part 1 (50%) - Group Project

- **Deadline:** Nov. 30, 2025, 13:00 (submission of the group project report with code in Inspera)

Exam - Part 2 (50%) – Individual written exam

- Dec. 11, 2025, 9:00-12:00 (for 3 hours), S2 – Silurveien 2.

Description of Exam - Part 1 (Group Project Report with Code)

1. General Info

This group project is related to Exam - pt1 (group project report with codes) as well as Mandatory Assignment (MA – group project proposal and paper analysis).

This project work is weighted 50% in the final exam assessment (Grading scale: A - F).

Please do not copy others' work. The university adopts a strict policy on plagiarism.

2. Description & Requirements

1) Each group needs to submit a SINGLE report (in PDF or MS WORD format), and thus will share the SAME grade.
2) The report should be systematic, concise and readable. The source code, together with a 'readme' instruction about the programming language and/or tools/libraries used, how to run it, in what environment/platform, etc., must be included as an **appendix** of the report. Both the code and report will be evaluated. The completeness and soundness of the code is evaluated under the assumption that each student in the group has worked on the project for 60 hours.
3) You must submit group project report (**Word** or PDF format) with 7,000 - 9,000 words (excluding References and code appendix).
4) Please write your **full name** and OsloMet **Email address** on the front page of your report.
5) The template (with required format) of the group project report (with code): Please use the following IEEE conference template (for MS WORD and LaTex) for formatting your report:

   https://www.ieee.org/conferences/publishing/templates.html

   If you use Overleaf, check:

   https://www.overleaf.com/latex/templates/ieee-conference-template/grfzhhncsfqn

6) Try to make your project fun and practical/useful and to prove/demonstrate something new or meaningful.
7) Originality is not mandatory for the group project, but highly valued.

3. Assessment Criteria

- *Importance* of the chosen topic to the field (ca. 10%): theoretical or application significance.

- Quality of *technical content* (ca. 50%): main work and (simulation, experimental, comparative) results clearly and adequately described and analyzed, accuracy and reliability (trustworthiness) of technical details in the report and code, etc.

- *Completeness* and *clarity* of the report (ca. 35%): sufficient level of technical detail, familiarity to existing work (literature review: evidence of understanding and critically analyzing the published research papers), structure of the report (in particular, logical flow),

clarity of presentation, use of the template and the required format (mathematical notations, equations, figures, tables, use of acronyms/abbreviations, …).

- *Wow* (ca. 5%): making examiners say "Wow!".

If no code was attached to the project report, there would be some penalty.

4. <u>Deadline</u>

Canvas submission of MA: **Oct. 31, 2025**, 13:00.

Inspera submission of Exam - pt1: **Nov. 30, 2025**, 13:00.

Description of Exam - Part 2 (Individual, Written Exam)

Date: Dec. 11, 9:00-12:00

Instructions:

1) Remember to bring your own pens, only blue/black pens are allowed.

2) Do not bring your own paper to Silurveien, you will get sketch/draft paper before the exam starts.

3) Simple calculators, as permitted aids, will be handed out from the exam staff and you cannot bring your own.

4) You will answer the last math questions directly on paper while the rest is digital in Inspera. This paper will be handed out from the exam invigilator(s) and will be scanned by the exam office into Inspera after the exam is finished. We expect that you read the guidelines for **digital hand drawings** in advance of the exam from this link: https://student.oslomet.no/en/digital-handtegning
   - o Here is a video about digital hand drawings (only in Norwegian): https://film.oslomet.no/handtegninger-digital-eksamen

NB: You will not be given extra time or get any assistance from the invigilators to fill out this paper correctly during the exam.