

# **ELEC-E8113 Information systems in industry**

Homework 3. Max 3 points.

Deadline 26.9.2022. Answers to ilkka.seilonen@aalto.fi.

The purpose of the homework is to familiarize yourself with the address space of OPC UA. Read the part of the text mentioned below that allows you to answer the following questions shortly. You do not necessarily need to read the whole chapter.

Mahnke, Leitner, Damm, OPC Unified Architecture, Springer, 2009. (Chapter 2)

In the Materials / Texts folder at mycourses.aalto.fi.

1. Data is modelled with Nodes and References in an OPC UA address space. Nodes are different depending on their NodeClass. Which NodeClasses there are? What is the purpose of each of them?
2. What information there are about References in an OPC UA address space?
3. What are complex ObjectTypes in an OPC UA address space? What is their purpose?