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Ansættelse

Lektor

Institut for Kemi-, Bio- og Miljøteknologi
Syddansk Universitet
Odense M
1. jul. 2015 → present

Lektor

SDU Chemical Engineering
Syddansk Universitet
Odense M
1. jan. 1998 → present

Pedagogical training

My training in teaching started within the General Chemistry course at the University of Cagliari. The course was followed by more than 200 students and was a common course among different engineering departments. At the time my main function was assistance in the exercise class in order to get familiar with the teaching system and to get used by managing many students at the same time. After few years of assistance my competences grew and I was assigned to elaborate the written exams and then I took also part to the oral evaluations. After this experience my training was on smaller courses at bachelor and master level within my specialization. I was trained in both mandatory and elective courses to understand the different attitude of the students in courses of their own choice. I took part to many oral exams, first as observer then as examiner. At the end of my PhD I was already able to formulate a written exam and conduct oral examinations as member of the examiner commission. During my post-doc I had the opportunity to develop my independent teaching programme in the course Chemical Process Design and Modeling in Aspen Plus at the University of Cagliari. I had the opportunity to teach single parts in Chemical Process Design and Industrial Separations at the University of Cagliari. As recognition of my qualification in performing teaching and in supervising students I got the title of "Cultore della Materia" (honorary fellowship in process design) in 2010.

Undervisning og vejledning

K-PTE2-U2: Energy and materials

Knud Villy Christensen
01/02/2011 → 30/06/2019

Chemical Process Design

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01/09/2019 → ...

Cleaning of flue gas condensate and production of makeup water at Skærbækværket

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01/09/2018 → 31/12/2018

Definition of heat transfer models in Aspen Plus

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01/08/2019 → 01/02/2020

Design of Ideal Chemical Reactors

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01/09/2015 → ...

Energy and capital cost mapping of a quaternary hydrocarbon-mixtures

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01/09/2017 → 31/12/2017

Enzymatic tranesterification of castor oil to produce biodiesel

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01/02/2017 → 01/06/2017

Estimation of the main physical properties of cannabidiol and tetrahydrocannabinol from industrial cannabis

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01/02/2017 → 01/06/2017

Ethanol production by membrane assisted reactive distillation

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01/02/2019 → 01/06/2019

Ethanol rejection in forward osmosis

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01/09/2018 → 31/12/2018

Finding the best membrane module skid configuration for upscaling forward osmosis systems using Aspen Plus and Matlab

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01/02/2018 → 01/06/2018

Introduction to Process Control

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28/08/2017 → ...

Napthalene plant simulation and optimization

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01/02/2018 → 01/06/2018

Nitrogen production by cryogenic and swing distillation: process analysis and comparison

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01/01/2017 → 01/01/2017

Optimization of anthocyanin extraction from aronia pomace

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01/02/2019 → 01/06/2019

Optimization of pitch yield by heat treatment

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01/09/2018 → 01/06/2019

Optimization of the flavonoid extraction process from kalanchoe leaves

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01/07/2019 → 01/08/2019

Ordinary distillation sequences for multicomponent mixtures

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01/02/2019 → 01/06/2019

Overall heat transfer coefficient in Haarslev industries' meal-cooler

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01/02/2016 → 01/06/2016

Process Simulation and Optimization

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01/09/2016 → 31/01/2019

Production of hydrogen by electrolysis as biocomponent in Diesel blends to meet EU requirements

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01/09/2017 → 01/01/2018

Reactive distillation technology for biodiesel production

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01/02/2019 → 01/06/2019

Reduction of cresylate by analysis of tar acids in tar oils

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01/02/2019 → 01/06/2019

Reduction of pure steam consumption within the production of sterile forms and Aqua purificata for a pharmaceutical production site

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01/09/2016 → 01/06/2017

Risk Management in Chemical and Biochemical Engineering

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01/02/2018 → ...

Simulation of pasteurization process of milk using Aspen

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01/02/2019 → 01/06/2019

Upscaling of Aquaporin membranes

Massimiliano Errico
01/09/2017 → 31/12/2017