GEORGIOS **GEORGIADIS**

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EXPERIENCE

SEPTEMBER 2021 –

RESEARCH AND DEVELOPMENT SPECIALIST, INTELLIGEN INC.

Incorporating mathematical optimization techniques into the SchedulePro software

APRIL 2017 – MAY 2020

RESEARCH ASSOCIATE, CERTH

Managing the Horizon 2020 project entitled "Improved energy and resource efficiency by better coordination of production in the process industries" (CoPro)
Preparation of deliverables and reports on research results
Development of optimization models for the optimal production scheduling problem of a Spanish canned fish industrial facility
Software development that automated the generation of optimal production schedules

APRIL 2017 – MAY 2020

ELECTRICAL ENGINEER, OMICRON ELECTRONICS

Testing of high-quality measuring instruments for electrical equipment
Automation of testing procedure using python
Repairing of electrical equipment

NOVEMBER 2014 – JANUARY 2015

INTERN, RWTH AACHEN

Research on advanced control techniques for microgrid systems
Analysis of experimental results on magnetic materials
Hands-on laboratory experience for the needs of the Laboratory of Electrical Machines

EDUCATION

JULY 2021

DOCTOR OF PHILOSOPHY, ARISTOTLE UNIVERSITY OF THESSALONIKI

Optimal production planning and scheduling of real-life industrial facilities
Development of novel mixed-integer linear programming models
Development of sophisticated optimization-based solution algorithms
Graduated with honors

MARCH 2017

MSC. IN ELECTRICAL POWER ENGINEERING, RWTH AACHEN

Thesis title: "Adaptive droop control for multiterminal dc power systems"
Main courses: Advanced power grid control, Battery systems, Electrical machines, Electromobility
GPA: 1.4

DIPLOMA IN ELECTRICAL AND COMPUTER ENGINEERING, ARISTOTLE UNIVERSITY OF THESSALONIKI

Thesis title: "Yaw control of wind turbines"
GPA: 7.88

PUBLICATIONS - SCHOLARSHIPS

PEER-REVIEWED JOURNALS

- Georgios P. Georgiadis, Apostolos P. Elekidis and Michael C. Georgiadis (2021). Optimal production planning and scheduling in breweries. *Food and Bioproducts Processing*, 125, 201-221.
- Georgios P. Georgiadis, Borja Mariño Pampín, Daniel Adrián Cabo and Michael C. Georgiadis (2020). Optimal production scheduling of food process industries. *Computers & Chemical Engineering*, 134, Article number 106682.
- Georgios P. Georgiadis, Apostolos P. Elekidis and Michael C. Georgiadis (2019). Optimization-Based Scheduling for the Process Industries: From Theory to Real-Life Industrial Applications. *Processes*, 7(7), 438.
- G.P. Georgiadis, G.M. Kopanos, A. Karkaris, H. Ksafopoulos, M.C. Georgiadis (2019). Optimal Production Scheduling in the Dairy Industries. *Industrial and Engineering Chemistry Research*, 58, 6527-6550.

PEER-REVIEWED CONFERENCE PUBLICATIONS

- G. P. Georgiadis, C. Ziogou, B. Mario Pampin, D. Adrian Cabo, M. Lopez, C. G. Palacin, C. de Prada, C. Vilas, A. A. Alonso and M. C. Georgiadis (2019). Optimal Scheduling and Operation of a Food Industrial Plant. *12th European Congress of Chemical Engineering, ECCE12*; September 15-19, Florence, Italy
- G. P. Georgiadis, C. Ziogou, G. Kopanos, Marino Pampin, D. Cabo, M. Lopez, M. C. Georgiadis (2019). On the Optimization of Production Scheduling in industrial food Processing Facilities. *Computer-Aided Chemical Engineering*, 46, 793-798.
- G. P. Georgiadis, C. Ziogou, G. Kopanos, M. Garcia, D. Cabo, M. Lopez, M. C. Georgiadis (2018). Production Scheduling of Multi-Stage, Multiproduct Food Process Industries. *Computer-Aided Chemical Engineering*, 43, 1075-1080.

SCHOLARSHIPS

- Research scholarship funded by the European Union through the Horizon2020 program
- Co-financed scholarship by Greece and EU under the program "Human Resources Development, Education and Lifelong Learning"

IT SKILLS

- GAMS, Matlab/Simulink, Autocad, SPSS
- Python, MATLAB, C#, C++

LANGUAGE SKILLS

- Full Professional English
- Professional Working German