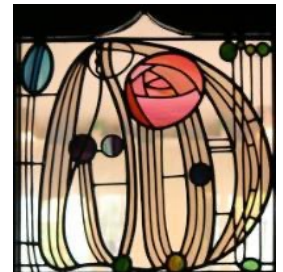# Let's Benefit From Tons of Data... Without Having That Eat the World!

Dr. Lauritz Thamsen

Lecturer in Computer Systems

GLASS – SoCS – UofG

https://lauritzthamsen.org

Data-Intensive Applications

Search

Business Intelligence

Telemedicine

Mobility

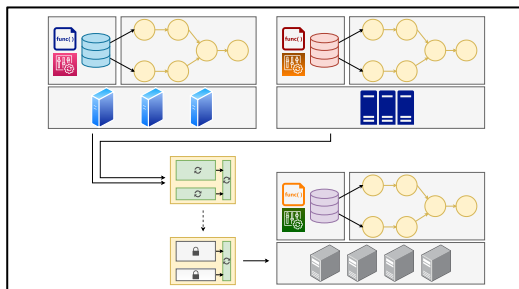Recommendations

Industry 4.0

Scientific Data Analysis

Smart Water Networks

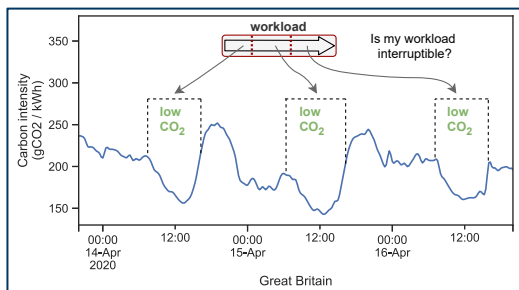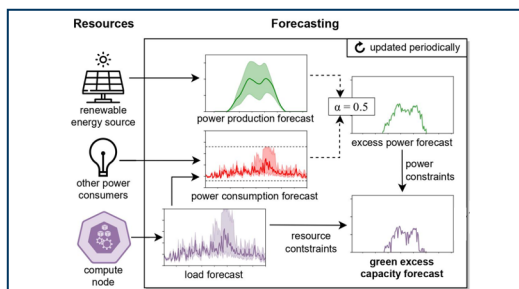Log Analysis

Smart Homes

Towards More Resource-Efficient and Sustainable Data-Parallel Processing

"Right-sized" big data analytics:
Automatic configuration of jobs so they meet performance expectations efficiently

Low-carbon cloud computing:
Scheduling of flexible workloads based on fluctuating carbon intensities of energy grids

Renewable-aware distributed computing:
Placement of computing jobs to use green excess energy at the edge

How to Find Me

Office S 152 in the School of Computing Science
https://lauritzthamsen.org | @lauritzthamsen on twitter
lauritz.thamsen@glasgow.ac.uk

CoSE Research Intro – Lauritz Thamsen