Operational Research: the science of better

Dr. Maria Battarra, IDO School of Management, m.battarra@bath.ac.uk

Example of research projects:
• Distribution Networks: routing problems, ground and maritime logistics;
• Disaster Preparedness: allocation of emergency supplies among warehouses;
• Scheduling: robots in palletising operations, workload allocation in production lines.

Development of algorithms:
• Mixed Integer Linear Programming: branch-and-bound, branch-and-bound, column generation;
• Meta-heuristic and math-heuristic algorithms.