ILOG Optimization Technologies Workshop

Understanding Best Approaches for Your Optimization Needs

Achieve your optimization application objectives. Learn best approaches and maximize your knowledge of ILOG optimization technologies by attending a comprehensive workshop that will provide a series of advanced technical tutorials on ILOG's optimization products and support programs. The workshop will help you understand best approaches and methodologies for specific optimization application objectives, requirements and development environments.

Schedule	Presentations
9.00 – 9.15	Welcome, Opening Remarks, Agenda
	ILOG Decision Support Technologies Technical Overview: Optimization, Visualization and Business Rule Management Systems
9.15 – 10.00	Introduction to ILOG CPLEX
10:45 –11.15	Rapid Development and Deployment of CPLEX Applications With ILOG OPL Studio
11.15 – 11.45	Break
11.45 – 12.30	Introduction to Constraint Programming and its Relationship to Mathematical Programming: A Constraint Programming Overview

Attendees of the workshop will receive a workshop kit with note taking printouts of all presentation slides, note-taking supplies, additional reference materials on optimization technologies and supportive technical programs.

Workshop Presenter: Sofiane Oussedik PhD
Dr. Oussedik is a Technical Account Manager at ILOG Direct. Prior to his current role at ILOG, he was involved in many OR industrial and research projects, especially in the area of Air Traffic Control. Dr. Oussedik has taught linear programming and constraint programming to graduate and undergraduate students at ENAC (French Civil Aviation School) and ENPC (French School of Civil Engineering), in addition to teaching at the Center of Applied Mathematics, Ecole Polytechnique - France. Dr. Oussedik is a member of ROADEF (French OR Society), ORS (United Kingdom OR Society), and EVONET (European Network of Excellence in Evolutionary Computing).

Workshop Tutorial Descriptions
Introduction to ILOG CPLEX
ILOG CPLEX is the fastest available optimizer for solving linear, mixed integer, quadratic and mixed integer quadratic programs. ILOG CPLEX includes the ILOG CPLEX Callable Library and ILOG Concert Technology to make it easy to embed the powerful ILOG CPLEX algorithms in your application. Learn about all the features of ILOG CPLEX that have made it the industry standard.

Rapid Development and Deployment of CPLEX Applications Using ILOG OPL Studio
ILOG OPL Studio provides the quickest path from model development to application deployment of the powerful ILOG CPLEX optimizers. In this tutorial, you will learn the methodology for developing CPLEX applications with ILOG OPL Studio. After a brief introduction to OPL, examples will be given in Visual Basic and Java that illustrate the ease of creating CPLEX applications with the OPL Component Libraries.

Introduction to Constraint Programming and its Relationship to Mathematical Programming: A Constraint Programming Overview
This tutorial will provide an introduction to constraint programming for those familiar with mathematical programming terminology. The relationships and differences between these two approaches for solving optimization problems will be described. Examples will be given that illustrate the constraint programming approach to solving problems, with contrasts to mathematical programming approaches.