ID de Contribution: **15**   Type: **Non spécifié**

JuMP into Constraint Programming

jeudi 5 octobre 2023 11:00 (30 minutes)

This endeavor focuses on integrating Constraint Programming (CP) into the versatile JuMP.jl framework. We compile a set of common XCSP3-standard constraints, each tailored to align with a type-based parameter interface, facilitating seamless multiple dispatch. This interface, distinct from JuMP, serves as a unifying structure for these constraints. Exploring classical problems like Sudoku, Magic Square, and Quadratic Assignment, this provides attendees, even those less familiar with CP, a structured entry into CP's integration through JuMP and Julia. With this approach, we bridge the gap between CP and optimization for broader accessibility. This work unites CP's power with JuMP's familiarity, enriching optimization methodologies.

Orateur: BAFFIER, Jean-Francois

Classification de Session: JuMP & OR