ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

Invitation to the Presentation about the Workplacement

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"BiqMac 2.0: Improved bounds and better performance"

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Abstract
One of the goals of the FWF funded project "High-Performance Solvers for Binary Quadratic Problems" is to create an open-source solver for linearly constrained binary quadratic problems. Part of this solver is to use the max-cut solver BiqMac as a subroutine. BiqMac has been developed several years ago. We now implemented BiqMac 2.0. It is coded in C++ (as compared to the old version that was coded in C). Furthermore, while in BiqMac the bounding routine used triangle inequalities only, the bounding routine now also includes a larger class of polyhedral cutting planes.
Melanie Siebenhofer was employed as project staff within the FWF funded project at the Department of Mathematics.

Angelika Wiegele and the Department of Mathematics look forward to seeing you at the talk!