

MEGHÍVÓ

Az ELTE Matematikai Intézetének

2014. évi, IV.

intézeti szemináriumára

**Időpontja: 2014. május 22.,
csütörtök**

14.00 órától – 15.00 óráig

Helyszín: Déli épület, 1-819 Riesz Frigyes terem

Előadó: **Prof. Egon Balas** (Carnegie Mellon University, USA)

Előadás címe: **Generalized intersection cuts from parametric lattice-free polyhedra**

Absztrakt:

Given a mixed integer program and its linear programming polyhedron P , generalized intersection cuts (GIC's) are obtained by intersecting extended edges of P with the boundary of some

lattice-free polyhedron S . Given a proper collection Q of such intersection points, GIC's are the vertices of the polar of Q . Proper sets Q are generated by Hyperplane Activation procedures designed to minimize redundancy while preserving properness (validity). An interesting situation arises when some of the facets of S are parameterized. We will discuss the relationship of GIC's to standard intersection cuts and lift-and-project cuts.