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# 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.