Mathematics, Statistics, and Computer Science **@ UIC**

Logic Seminar

Borel Complexity and the Schroder-Bernstein Property

Douglas Ulrich (Maryland)

Abstract: Borel Complexity and the Schroder-Bernstein Property

I describe some new techniques for proving non-Borel reducibility results, and give some applications, including: suppose the collection of countable models of a sentence sigma of L_{omega_1 omega} satisfies the Schroder-Bernstein property, that is, if two countable models are bi-embeddable then they are isomorphic. Then, assuming a mild large cardinal, sigma is not Borel complete.

We meet for lunch at noon on the first floor of SEO.

Tuesday, October 10 at 4:00 PM in SEO 427