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.*