



千葉大学

情報数理・代数 合同セミナー

話者: **Robert A. Proctor** (North Carolina 大学)

日時: 2019年2月14日(木) 13:00-14:00

場所: 理学部2号館6階609室

タイトル: **How are combinatorial games related to Lie theory!?**

概要: The Numbers Game is a deterministic one player combinatorial game that manipulates integer labelings of the nodes in a simple graph. This talk should be accessible to all combinatorialists; no knowledge of Lie theory will be assumed. Weyl groups are finite groups that describe the internal symmetries of the simple Lie groups. A Weyl group becomes a poset when the Bruhat partial ordering of its elements is introduced. (In algebraic geometry, these posets are used to filter the flag varieties of Lie groups.) Distributive lattices are a very nice kind of poset. We use the Numbers Game to say which Bruhat posets are distributive lattices.

関連キーワード: 代数的ゲーム、Weyl 群、Bruhat 順序、組合せ論、Minuscule Heaps、 d -完全半順序集合

問合せ先: 萩原、津島

