1007-51-215　　　　　**Eva-Maria E. Feichtner*** (`feichtne@math.ethz.ch`), Department of Mathematics, ETH Zurich, ETH Zentrum, CH-8006 Zurich, Switzerland. *Nested set complexes and spaces of trees.*

Nested set complexes are the combinatorial core of De Concini-Procesi wonderful compactifications of arrangement complements. They now have made a remarkable appearance in the context of spaces of trees. We will explore their significance for the topological combinatorics and combinatorial representation theory of spaces of trees and various generalizations. (Received February 22, 2005)