## **REGULARITY FOR (s, p)-HARMONIC FUNCTIONS**

## FRANK DUZAAR

We report on higher Sobolev and Holder regularity results for local weak " solutions of the fractional p-Laplace equation of order  $s \in (0, 1)$  with 1 . Therelevant estimates are stable when the fractional order s reaches 1, and the knownSobolev regularity estimates for weak solutions of the local p-Laplace equation arerecovered. The talk is based on joint work with Verena Bogelein (Salzburg), NaianLiao "(Salzburg), Giovanni Molica Bisci (Urbino), and Raffaella Servadei (Urbino).