963-53-193   **Shihshu Walter Wei*** (`wwei@ou.edu`), Shihshu Walter Wei, Department of Mathematics, University of Oklahoma, Norman, OK 73019. *Minimal Varieties and p-harmonic maps.* Preliminary report.

We study minimal varieties in Riemannian manifolds by the use of p-harmonic maps. Some topological and analytic results will be discussed. (Received January 23, 2001)