

# Dr. Deana Pennington



Associate Professor of Geological Sciences

University of Texas at El Paso

1. Physical geography: Human/environmental systems, land cover/land use change, climate & land use impacts on water & biodiversity
2. Geoinformatics & geocomputation: spatial modeling and analysis, knowledge representation, spatial data mining, scientific workflows
3. Team science: knowledge integration across disciplines

# Potential collaborations

- Interactive analytics - ongoing research on data & model-based reasoning
- Education - New class on computer applications in the geosciences starts FRIDAY! Need content & tutorials
- Knowledge maps – lots of experience 2003-present
- Theory-guided learning – spatial data mining 2001-2002