## design continued.

animal skins were used to break up the three main spaces of the home; the kitchen, the living/dining room, and the bedrooms in order to circulate warm air in smaller spaces. It is more difficult to warm one large space than three smaller spaces.



fireplace/stove connected to a cavity wall generates heat within the wall and creates radiant heating for the bedrooms at night when the temperature is the coldest, and will also heat the wall when the stove is in use.

#### CONTACTS

## Marisela Perez

IIT-Sincape coordinator

## Professor John Duffy

UMass Lowell Professor Expertise: Mechanical engineering, control systems science, solar engineering, environmental engineering, education, statistics and manufacturing systems

## Manuel Heredia

UMass Lowell Student PhD candidate in mechanical engineering

## Ursula Harman

GRUPO (Grupo de Apoyo al Sector Rural) at the Catholic University of Peru in Lima Her Students Participate in rural community relief programs

## Lupita Montoya

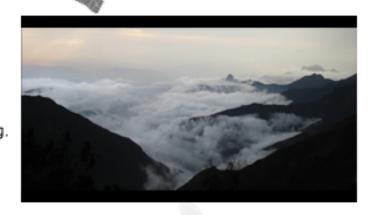
Professor of engineering in Troy, NY She and her student do work in Langui Peru

## Luis Adrianzen & Family

Luis's family currently reside in Peru and have been informants throughout the duration of the project.

# IPRO 325B - Peru Project

Developing Affordable & Sustainable Solutions for the World's Rural Poor



#### TEAM MEMBERS

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Transforming Eves Inventing the Future.