

## **NASA ERCs**

### **Welcome to Michigan**

#### **We're obviously quite pleased in your**

interest in our proposed Center for Near-Millimeter Wave  
Communication and Sensing Technology  
as a NASA ERC...

#### **Background...**

In early 1980s the UM took a number of steps to strengthen  
its efforts in science and technology

Keys:

1. Attracting outstanding people, giving them resources  
to push to the limits of their ability, and then  
getting out of their way...
2. To recognize that we could not be all things to all  
people...rather we had to choose quite carefully  
those areas in which to focus resources

#### **Results today:**

1. Entirely new Engineering campus (\$100 M)
2. Roughly 40% of Engineering faculty is new...
3. Graduate student population has doubled...
4. Resources have gone up dramatically...  
University support tripled...  
Sponsored research support tripled...
5. Seed Funds: Research Excellence Funds
6. Companion efforts to strengthen basic  
sciences (Physics--Homer Neal, Chemistry,...)

#### **Proposed Center is in an area of focus...**

1. Strong tradition in remote sensing  
(Willow Run, etc.)
2. Space Physics Research Lab...  
Planetary atmospheres, surfaces,...
2. Strong tradition in solid state electronics...  
our "black hole"...

#### **Assure University support...**