

2.996 Fundamentals of Advanced Energy Conversion Lecture Memo

Lecture number: 14

Date: March 29th, 2004

- **Cell voltage profile for PEM: Cathode activation, cell resistance, anode activation and mass transport**
- **Butler –Volmer model :Tafel relationship**
- **Example: Copper plating**
- **Oxygen reduction**
- **Multistep mechanisms**
- **Introduction to mass transport**