

2.996 Fundamentals of Advanced Energy Conversion Lecture Memo

Lecture number: 20

Date: April 21th, 2004

- **Hydrogen characteristics**
- **Current and projected hydrogen powered cells**
- **Projected effects of switching to hydrogen powered cars**
- **Alternative ways of H₂ production today and tomorrow**
- **Nuclear technology in the hydrogen economy**
- **Availability**
- **Availability diagram for water**
- **Component irreversibility**