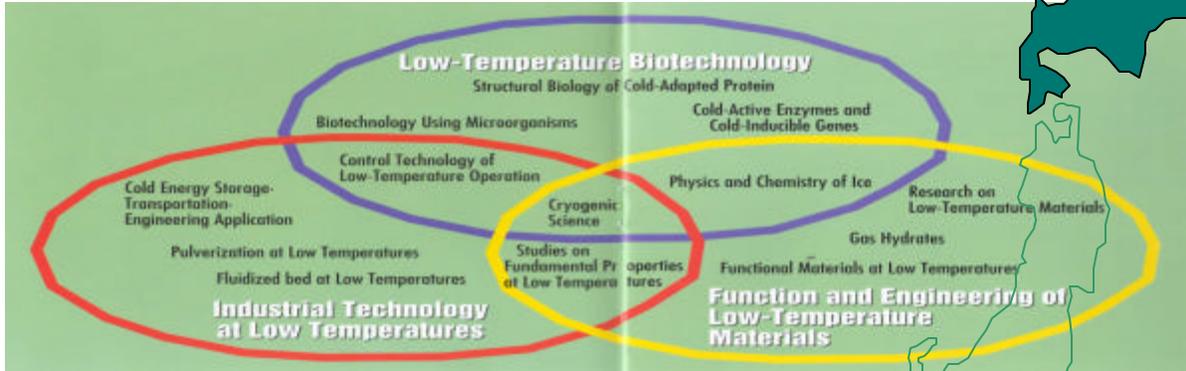


**Any Interest in: Cryogenic Science & Technology? Research on a Microgravity Environment? Fundamental Research for Technology in Harmony with the Environment?**

The present Technical Coverage of ARO-FE is in the fields of Physics, Chemical/Environmental Science, Materials Science and Mechanics. To cope with industry in the 21<sup>st</sup> Century and the scientific and technological research and development to support it, the Hokkaido National Industrial Research Institute (HNIRI), has concentrated its efforts on the above mentioned industrial research fields. HNIRE is an avid supporter of international cooperation. *ARO-FE will be pleased to introduce you to, and help you work with, this very exciting organization.*

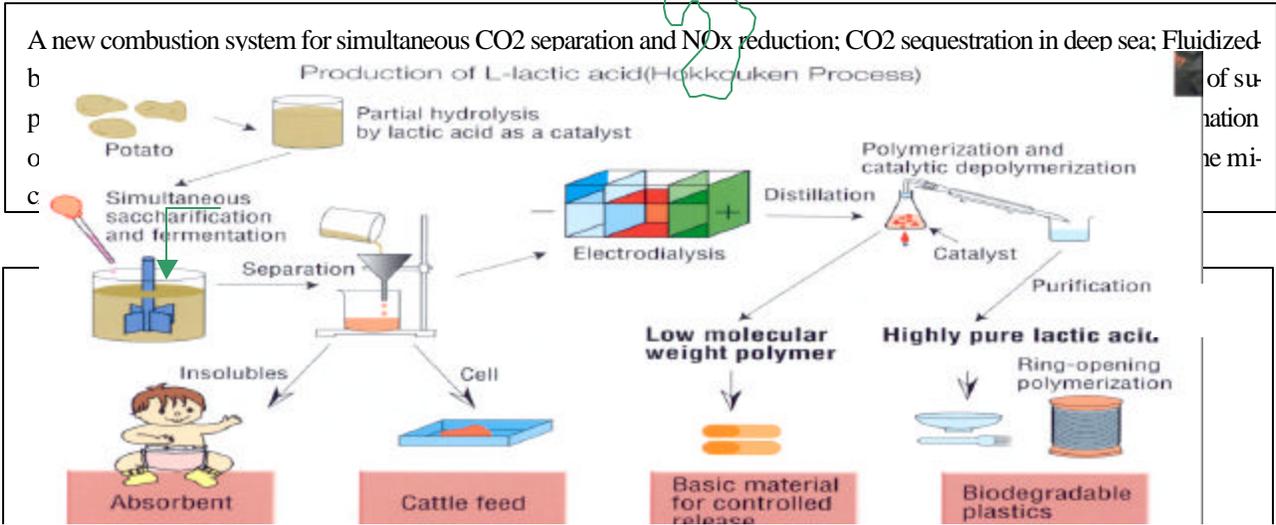
**Cryogenic Science & Technology**



**Research on a Microgravity Environment**

Synthesis of metastable state material under microgravity conditions; Synthesis of new shape-controlled materials; Research on the combustion mechanism; Research on solid particle combustion; Measurement of temperature distribution in a flame; Precise measurement of thermal properties of materials; etc

**Fundamental Research for Technology in Harmony with the Environment**



A new combustion system for simultaneous CO<sub>2</sub> separation and NO<sub>x</sub> reduction; CO<sub>2</sub> sequestration in deep sea; Fluidized bed combustion; etc