


Welcome to *ICONE19*

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Suspended ICONE19

- ◆ On March 11th, the northern part of the main island of Japan was hit by a massive earthquake, and the ensuing Tsunami occurred by the earthquake devastated the area killing numerous people and damaging on its infrastructure.
- ◆ Fukushima Daiichi nuclear power plants of Tokyo Electric Power Company (TEPCO) were heavily damaged, therefore, we concluded to suspend the ICONE19 in Makuhari this May. We have discussed the alternative ICONE19 and we decided to hold the ICONE19 in Osaka this October.

Pictures of disaster sites(1)



Near sea shore in Sendai city

2011/11/13

Pictures of disaster sites(2)



Near the earthquake center

2011/11/13

Pictures of disaster sites(3)



Kesenuma city in Miyagi pref.

2011/11/13

Pictures of disaster sites(4)



Miyako city in Iwate pref.

2011/11/13

Pictures of disaster sites(5)



Small village (Tanohata) in Iwate pref.

2011/11/13

Pictures of disaster sites(6)



Small villages in Iwate pref.

2011/11/13

Pictures of disaster sites(7)



Ishinomaki in Miyagi pref.



Kuji in Iwate pref.

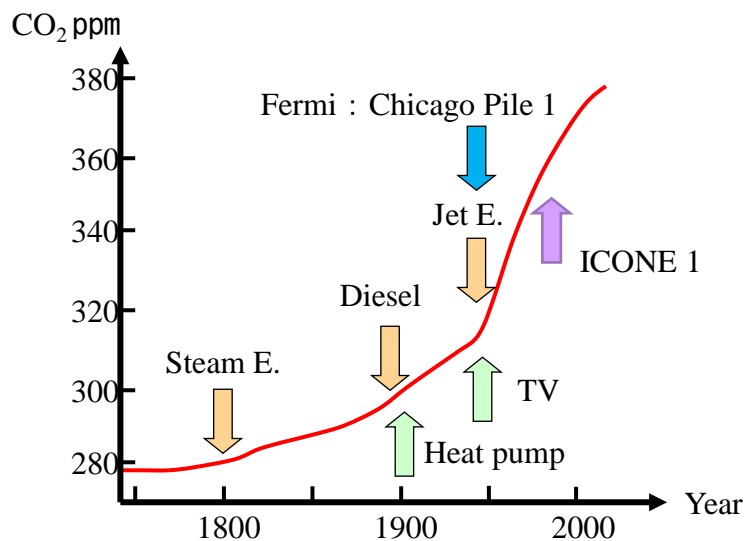
After 7 months

- ◆ More than 7 months have passed since the earthquake, but there still remain many people evacuating from their home-town specially due to the Fukushima Accident.
- ◆ The Accident is imprinted on the consciousness of the Japanese people. The Accidents has, also, caused the debate about suitability of nuclear power as a desired energy resource in the world.

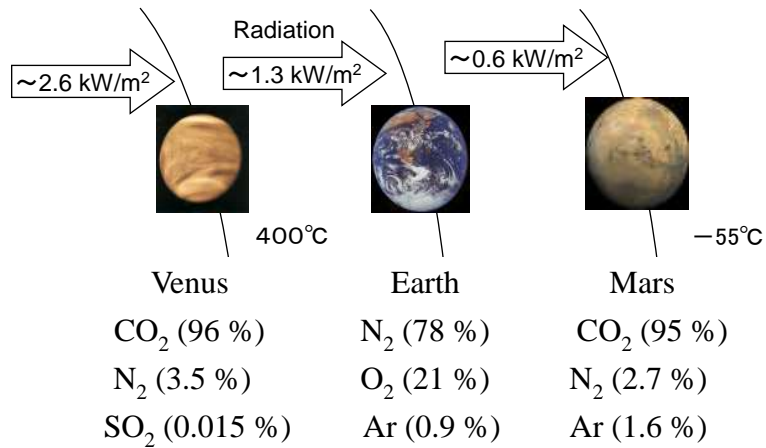
After 7 months

- ◆ Already some European countries have decided to forsake nuclear power as a long-term resource for electricity generation.
- ◆ Their decision is governed by public emotional opinion. It is sure the radioactivity is a fear complex in the mind of most people as the long-term effects are not clearly known.
- ◆ However, fossil fuel is not a good choice from the environmental and climate change considerations.

Concentration of CO₂



Atmosphere of planets



Coral lives close together with diatom





Pictures of disaster sites(8)

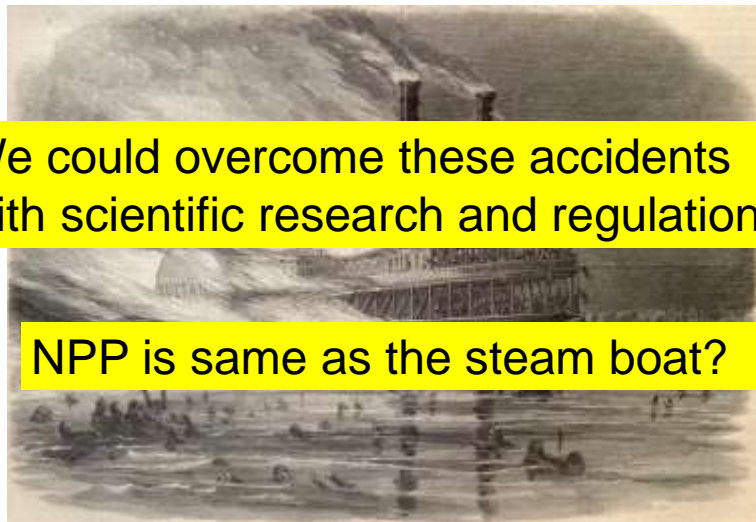


Fukushima

A chance to discuss

- ◆ Now, every efforts have been taken with world-wide wisdom and technology in Fukushima.
- ◆ All engineers have to consider the profound issues and the practice of nuclear power which may have led to the large consequences of the Fukushima accidents.
- ◆ So ICONE19 in Osaka has set the plenary session including the special session regarding the current status of Fukushima Daiichi nuclear power plants. This conference gives us a chance to discuss the future energy!

Boiler burst

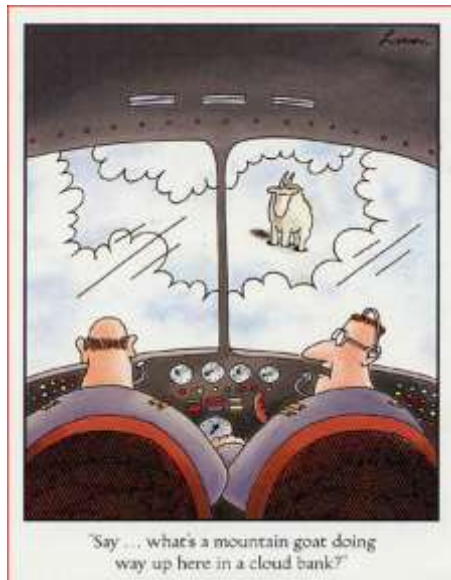


We could overcome these accidents with scientific research and regulations.

NPP is same as the steam boat?

Steamboat *Sultana*, April 27, 1865

Operator at upset



World known Japanese

- Typhoon
- Tsunami
- Gaman (for someone)
- Kaizen