



International Symposium

Delta Technology *Enabling Life in River Deltas*

Delft, The Netherlands, Thursday 26 June 2008

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Introduction

IN 2008, the Netherlands Academy of Technology and Innovation holds the Presidency of the International Council of Academies of Engineering and Technological Sciences CAETS. CAETS is an independent nonpolitical, non-governmental international organization of 24 engineering and technological sciences academies. In 2008, the CAETS Council and Board Meetings will be held in the Netherlands.

International Symposium at Deltares

In attendance of the international engineering and technological leadership the Netherlands Academy of Technology and Innovation will address key issues of water management and control in an international Symposium entitled: Delta Technology, Enabling Life in River Deltas.

The Symposium is organized in close cooperation with among others the Federation of three Technical Universities 3TU, the Royal Institute of Engineers and the newly found research Institute Deltares.

In Deltares, the expertise of four institutions has been pooled in the development, distribution and application of knowledge in the fields of surface water and groundwater, subsurface, water and soil quality and spatial development.

Delta Technology: Enabling Life in River Deltas

The concept of Delta Technology encompasses more than technological research on water and surface. It also includes advanced technologies at the interface of civil engineering with bio, nano, sensor technologies and ICT. Furthermore, it refers to embedding technology in societal decision making on the future of vulnerable delta regions.

The theme of Delta Technology is introduced by lectures of international experts on the issues of *Flood control, Water management, Intelligent Sensor Networks for Monitoring, Effects of Climate Change, New materials (smart soils), sustainability, behavior and decision making.*

The Symposium addresses the issue of anchoring technological solutions in people's lives and the environment, balancing natural developments, societal interests and governmental responsibilities. In this regard, water control becomes a societal challenge, reinforced by the influence of climate change on weather and sea level.



International Symposium

Delta Technology *Enabling Life in River Deltas*

Deltares, Delft, 26 June 2008, 10.00 – 18.30

Provisional Program/Time Schedule

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| 09.30 – 10.00 | Reception and Registration |
| 10.00 – 10.15 | Welcome and Introduction |
| 10.15 – 10.30 | Key Note: Holland as a Delta country: Dutch Priorities
Secretary of State ms Tineke Huizinga (<i>to be confirmed</i>) |
| 10.30 – 10.35 | Global Challenges, connecting traditional engineering with break through
technologies of the 21st century |
| 10.30 – 11.40 | First Session: Connecting Delta Technology and artificial intelligence,
sensor technology |
| 11.40 – 12.00 | Coffee break |
| 12.00- 13.10 | Second Session: Connecting Delta Technology with ecology and
biotechnology |
| 13.10 – 14.30 | Drinks, Luncheon |
| 14.30 – 15.40 | Third Session: new ways of embedding technology in societal decision
making processes in water management and control |
| 15.40 – 16.00 | Tea Break |
| 16.00 – 16.40 | Key Note: Delta Technology and the necessity of integration of technology
in society (<i>to be confirmed</i>) |
| 16.40 – 18.30 | Symposium drinks and view of the Hydraulics Lab Facilities |

In cooperation with among others:

The Royal Institution of Engineers KIVI NIRIA, 3TU.Federation, Deltares

