

organized by **NIKHEF** in collaboration with partners

# The 20<sup>th</sup> CHEP Conference

## Amsterdam 1985 - 2013

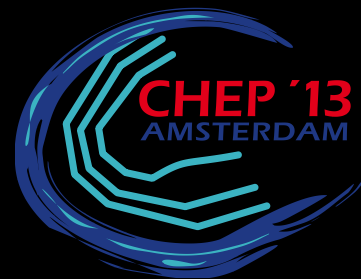
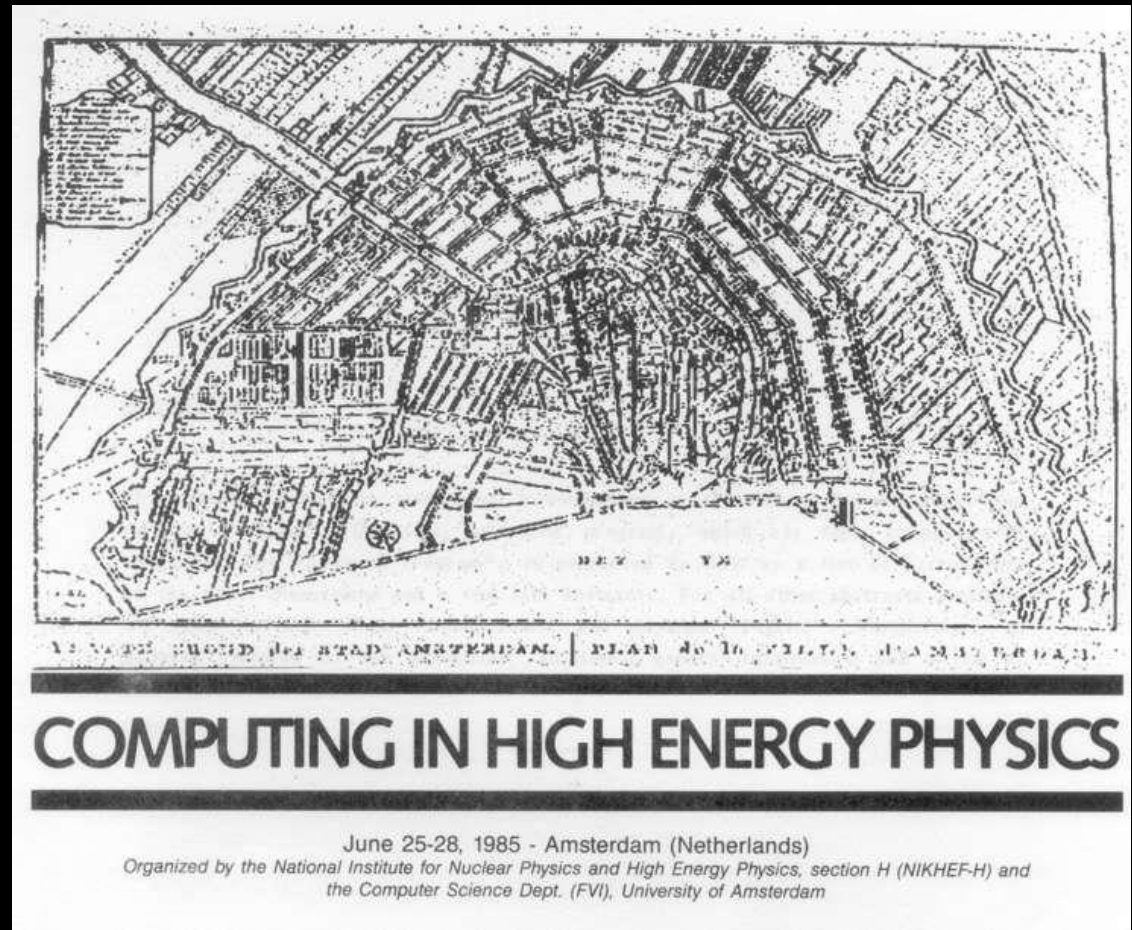


# The 20<sup>th</sup> CHEP

**CHEP'85**

**Bob Hertzberger**  
UvA FVI

**Walter Hoogland**  
NIKHEF - H



**1985 - 2013**

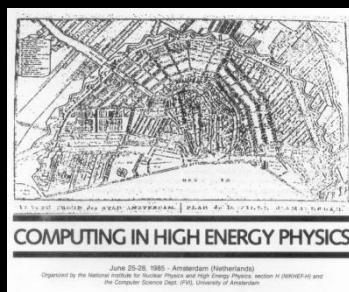
# Things have changes since 1985 ...

... have completely gone away ...

- “Portability Aspects of MODULA-2”
- “Using the 3081/E as a VAX Emulator”
- “A LAN with Real-Time Facilities  
*based on OSI Standards*”

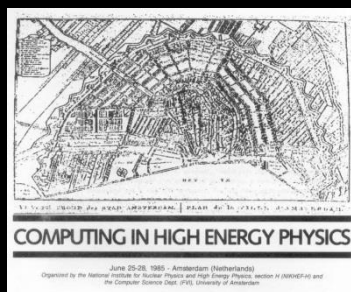
... or have just changed a lot ...

- “Satellite Communication”
- “LAN with an Experiment Command  
Interpreter and 2.5 MBaud Interfaces”

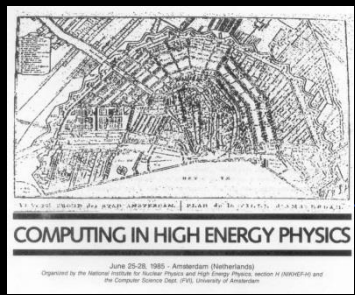


... but not all that much!

- Multi-processor, multi-core & 'GPU'
  - “Loosely and Tightly Coupled Parallel Processors for High Energy Physics”
  - “Parallelism in Scientific Engineering Computation”
  - “Use of SIMD—SPMD Machines for Simulation in Particle Physics”
  - *Panel discussion:*  
“Vector and Parallel Processing in HEP”



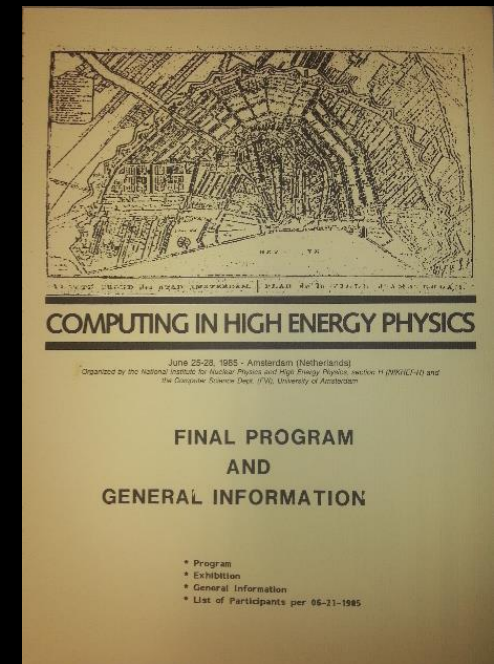
- Large data volumes and transfers
  - “Data Storage - Where Do We Store Terabytes Of Data?”
  - “GIFT: An HEP Project For File Transfer”
- Resource sharing
  - ““Y”: a Distributed Resource Sharing System in Nuclear Research Environment”



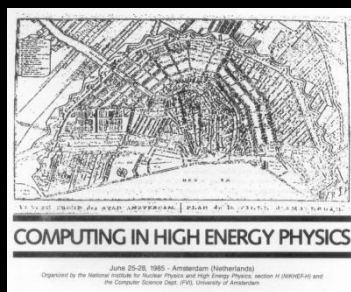
# A Committed Community

1985 participants with us today in 2013

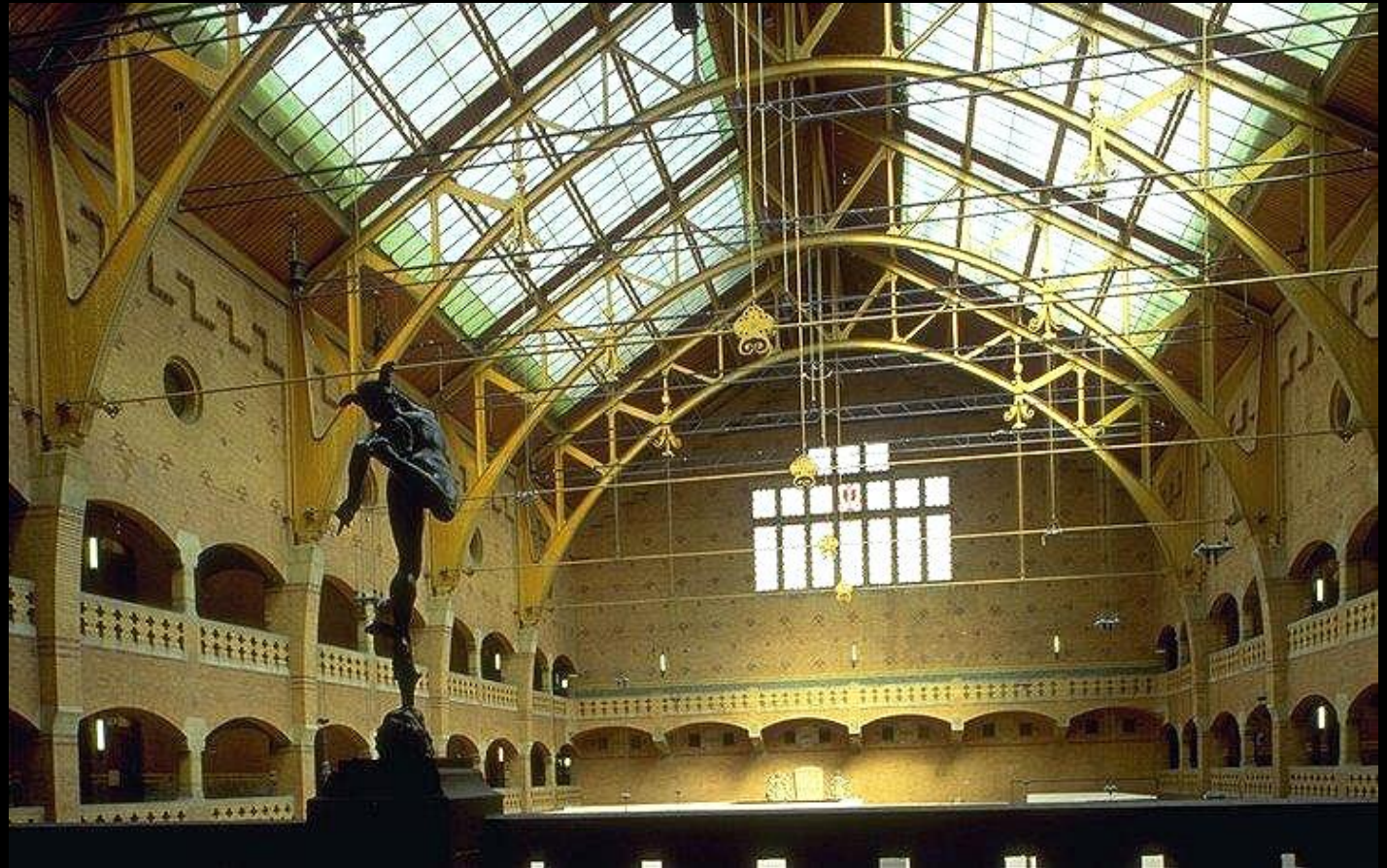
- Richard Mount
- Harvey Newman
- Fons Rademakers



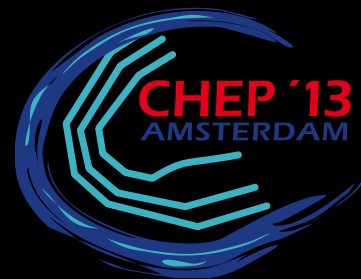
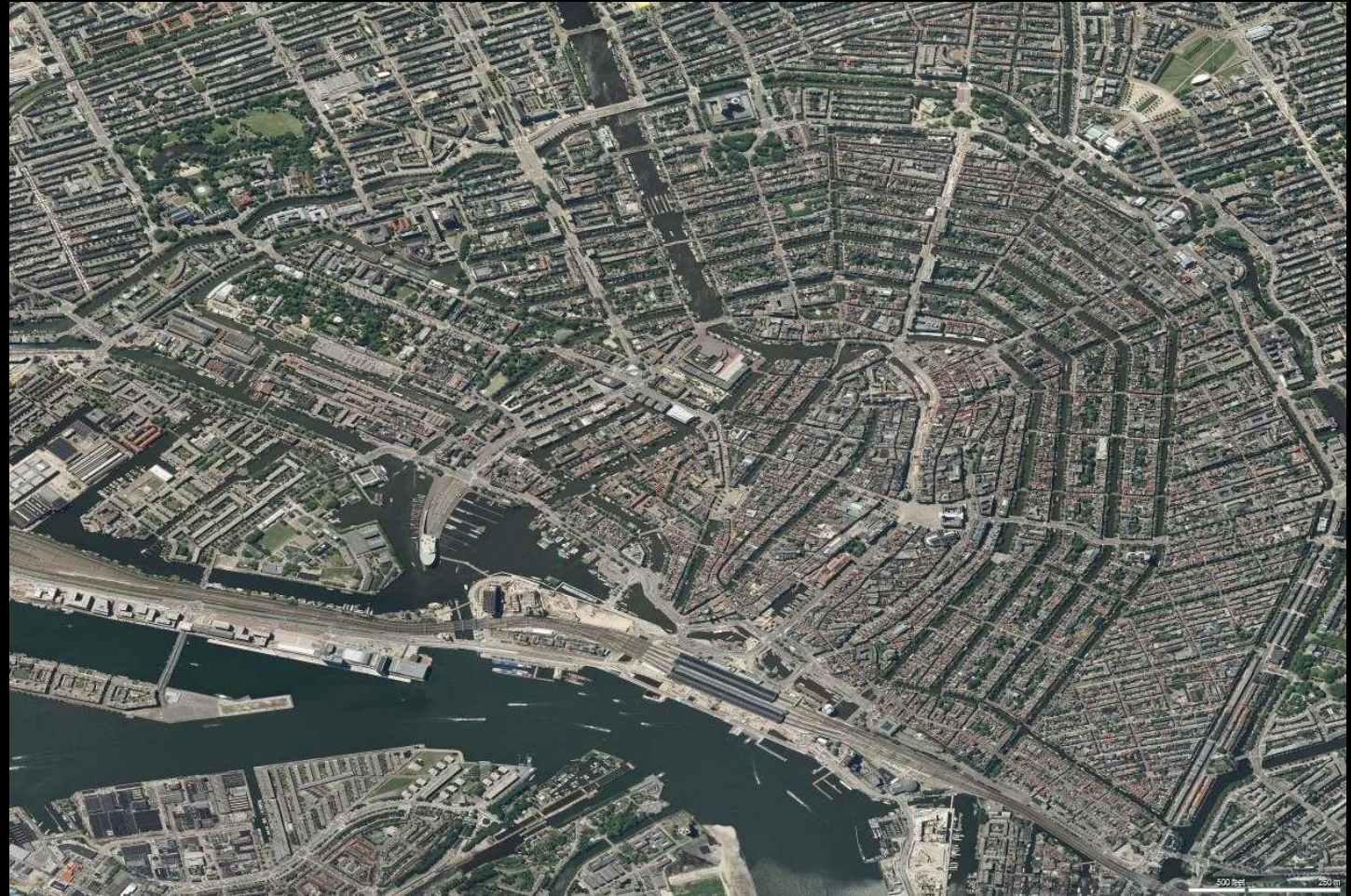
<http://www.chep2013.org/1985>



# Beurs van Berlage



# Amsterdam: UNESCO World Heritage



<http://chep2013.org/guide>



**X**  
**X**  
**X**  
Gemeente  
Amsterdam

# City of Amsterdam

<http://chep2013.org/guide>

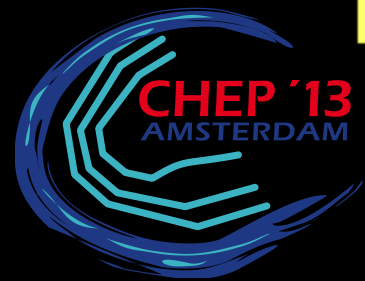
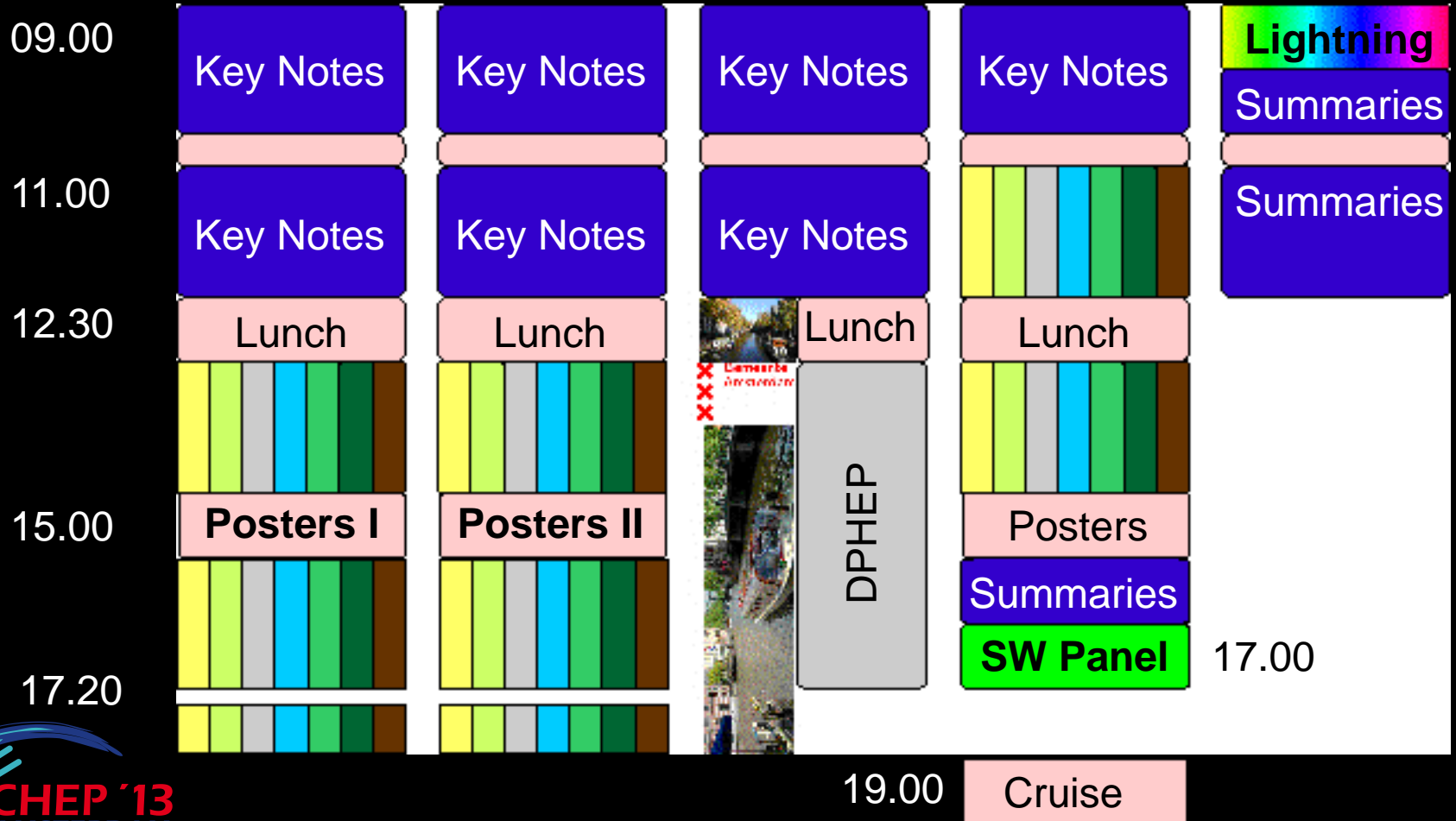


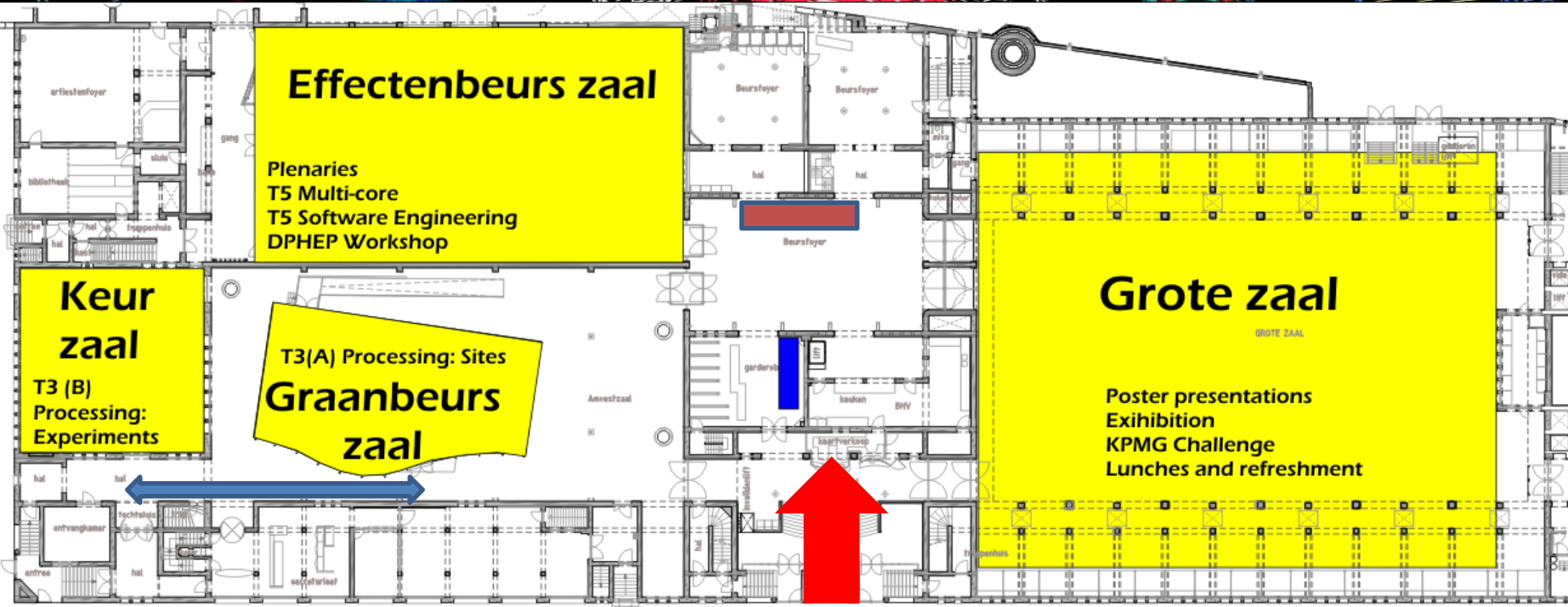
Wednesday afternoon: **I amsterdam!**

Free canal cruise tickets – at reception desk

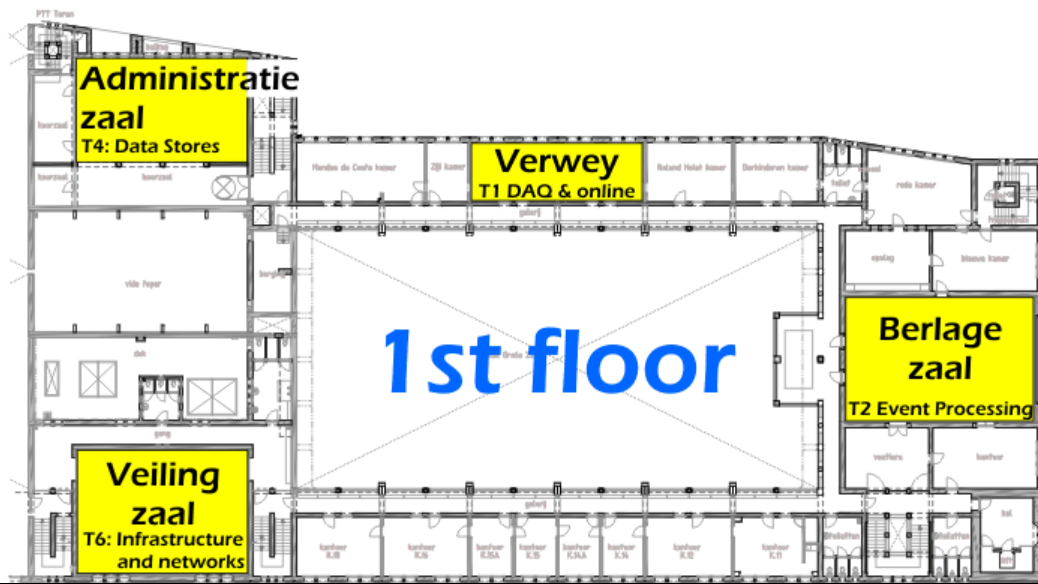


# Programme at a Glance

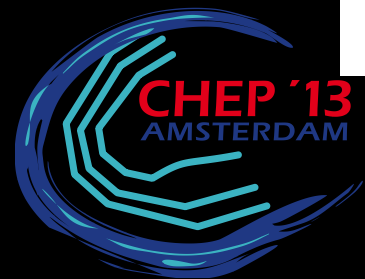
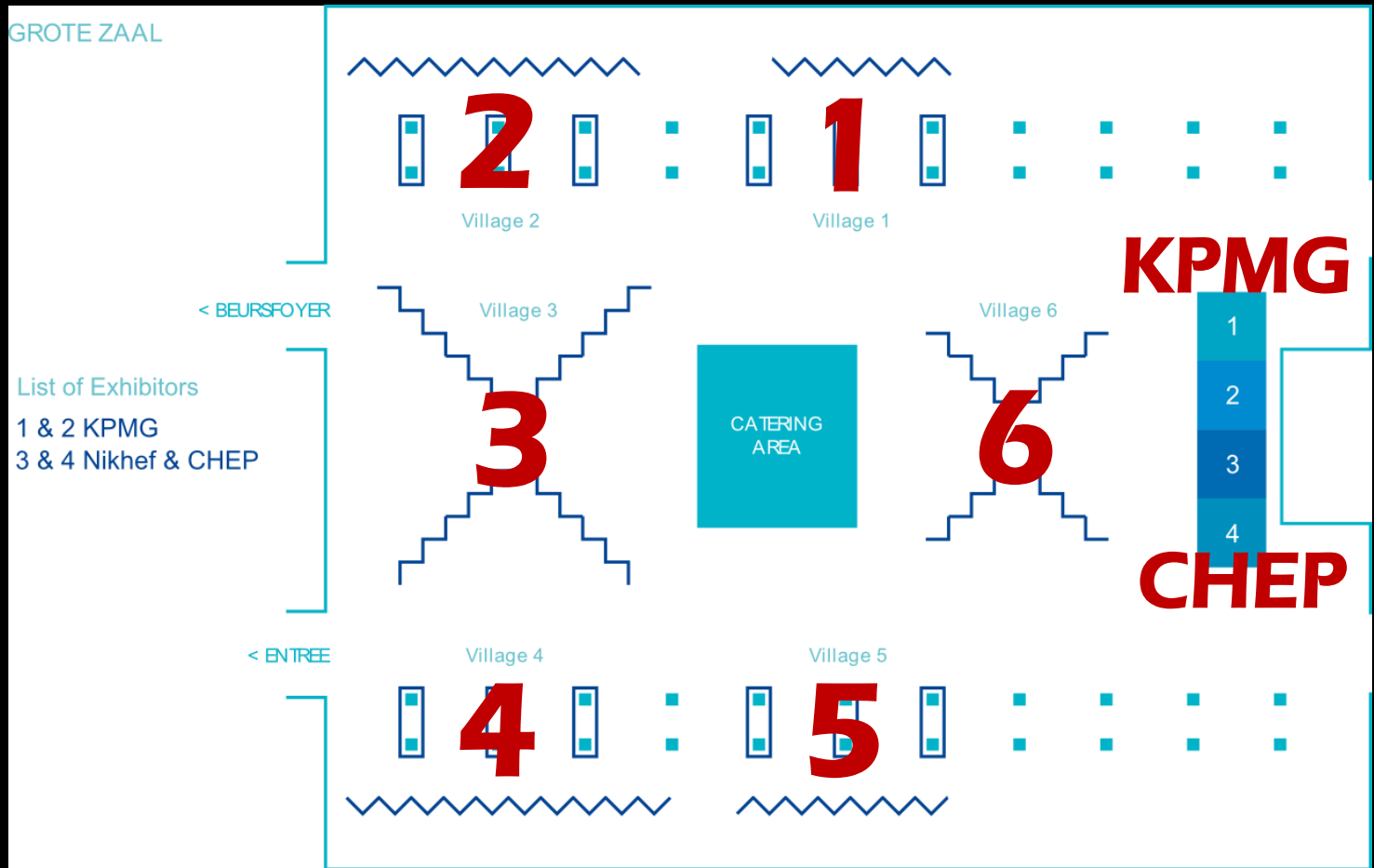




# Floor Plan



# Poster Lightning Talks on Friday



<http://chep2013.org/poster/vote>

# Other logistics

- Welcome reception this evening

***Grote zaal, 18.10 – 19.30***

- Dinner cruise on **Thursday at 19.00**

 **#chep2013**

- Boarding pass? *Nikhef & CHEP booth!*

<http://print.chep2013.org>

- Evaluation? <http://chep2013.org/eval>

- Certificates of attendance?

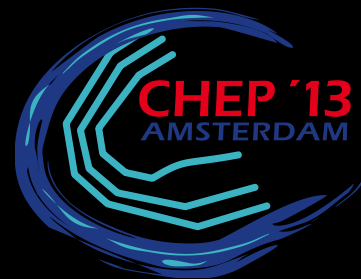
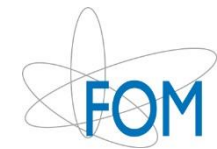
<http://chep2013.org/coa>



# Our CHEP 2013 supporters



Indico and Vidyo  
support by CERN



# Today's plenary programme

09.25 Frank Linde

**Nikhef, subatomic physics in the Netherlands**

09.45 Axel Naumann **C++ evolves!**

*10.30 Coffee and refreshments in the Poster Exhibition Area*

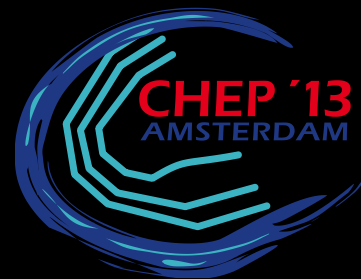
11.00 Robert Lupton

**Software engineering for science at the LSST**

11.45 Kostas Glinos **An EU perspective on data and computing infrastructures for research**

12.15 Sander Klous **The KPMG Challenge**

*12.30 Lunch in the Poster Exhibition Area*



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*Dutch National Institute  
for Subatomic Physics*



Frank Linde, director



organized by **NIKHEF** in collaboration with partners

# *Plenary Programme*

*Programme chair: Jerome Lauret*



**Axel Naumann**



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*KPMG*



Sander Klous