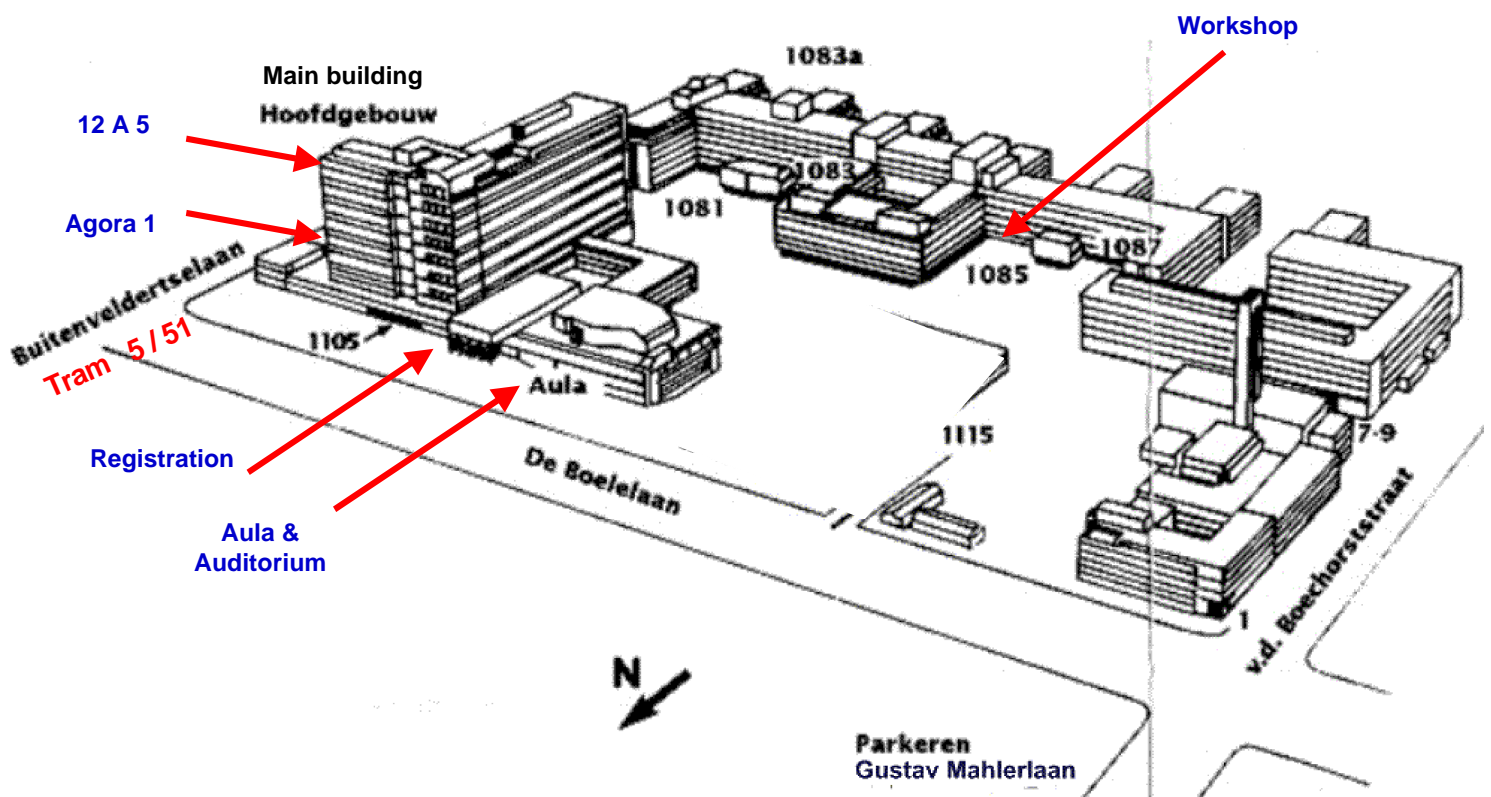




# CSAPC '03 Conference Program

September 16-19  
Vrije Universiteit  
Amsterdam



## TUESDAY 16

9:00-17:00 Building De Boelelaan 1085, room G076  
(ground floor)

### **Workshop: Cognition and Collaboration – Distributed Cognition in Complex Processes**

Cristina M. Chisalita & Peter H. Jones – workshop  
organisers

16:00-18:00 Main Building, conference desk  
(ground floor)

### **Registration**

18:00-20:00 Main Building, behind “Aula” (1<sup>st</sup> floor)

### **Welcome reception, informal get-together, drinks and snacks**

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## WEDNESDAY 17

8:00 Main Building, conference desk (ground floor)

### **Registration**

9:00 Main Building, room “Auditorium” (1<sup>st</sup> floor)

### **Opening Session**

9:30 Session 1 *Situational Awareness* – Chair:  
Erik Hollnagel (invited)

Döring, B., Dörfel, G., and Distelmaier, H.

### **Object-oriented modeling of situational awareness information for knowledge-based user interfaces**

Neerinx, M. A., Rypkema, J., and Passenier, P. O.

### **Cognitive and functional (COLFUN) framework for envisioning and assessing high-demand situations**

Hoc, J.-M., and Blossville, J.-M.

### **Cooperation between drivers and in-car automatic driving assistance**

11:00 Coffee and Poster Session:

Fenema, van, P. C., and Simon, S. J.

### **Failure of distributed coordination in high reliability organizations: The midair collision over Germany on July 1, 2002**

11:30 Session 1 (continued)

Rajaonah, B., Anceaux, F., Espié, S., & Hoc, J.-M.

### **A study of the link between trust and use of adaptive cruise control**

Svenson, O., and Patten, C.

### **Safety of a human-technology-organization system: Mobile phones and driver cognition disturbance**

12:30 Lunch

13:30 Panel *Future home as operator control rooms  
and vice versa*

Moderator: Matthias Rauterberg

Panelists: Ad van Berlo, Erik Hollnagel, Jean-  
Michel Hoc

15:00 Excursion Royal Palace 't Loo – followed by  
Conference Dinner

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## THURSDAY 18

9:00 Main Building, Room “Agora 1”, (3<sup>rd</sup> floor)

Session 2 *Error Management* – Chair:  
Matthias Rauterberg

Vlugt, van der, M., and Wieringa, P. A.

### **Searching for ways to recover from fixation: Proposal for a different viewpoint**

Miguel, A., and Wright, P.

### **CHLOE: A technique for analyzing collaborative systems**

Andro, M., Chauvin, C., and Le Bouar, G.

### **Interaction management in collision avoidance at sea**

10:30 Coffee and Poster Session:  
Itoh, K., Abe, T., and Andersen, H. B.  
**Healthcare staff attitudes towards management, job, teamwork and leadership in Japanese Hospitals**

11:00 Session 2 (continued)  
Marc, J., and Rogalski, J.  
**Individual contribution to safe collective management in dynamic situations. The case of a medical emergency center (SAMU)**

Rizzo, F., Parlangei, O., and Bagnara, S.  
**Remembering and forgetting effects in analyzing search engine list results**

12:00 Discussion  
12:30 Lunch

13:30 Session 3 *Human Analytical Tools –*  
Chair: Jean-Michel Hoc  
Wright, L., and Van der Schaaf, T.  
**Causation patterns of accidents versus near misses: A critical review of the literature, and an empirical test in the railway domain**

Gauthereau, V., and Hollnagel, E.  
**Building expectations and the management of surprises: Studies of safety-train outages at a Swedish nuclear power plant**

14:30 Tea break  
15:00 Session 3 (continued)  
Pellegrin, L., Bonnardel, N., deVictor, N., Bastien, C., and Chaudet, H.  
**Modeling a cooperative medical decision making in an intensive care unit**

Cegarra, J., and Hoc, J.-M.  
**Individual differences and distributed cognition: The case of troubleshooting diagnosis**

16:00 Keynote Address  
Barbara Tversky  
**Some ways graphics communicate – diagrams as vehicle in distributed cognition**

17:00 EACE AGM

19:00 Reception by the Major and Aldermen of Amsterdam – Town Hall

## FRIDAY 19

9:00 Main Building, Room “12 A 5” (12<sup>th</sup> floor)  
Session 4 *Technical Analytical Tools and Simulation* - Chair: Johan F. Hoorn  
Shu, Y., Furuta, K., and Nakata, K.  
**A method for defining and inferring team situation awareness in cooperative activity based on mutual awareness**

Lanzi, P., Marti, P., Battino, P., and Pozzi, S.  
**Pre-operational validation in safety critical environments: The challenge of advanced shadow mode trials**

10:30 Coffee break

11:00 Session 4 (continued)  
Völkel, A.  
**Evolutionary optimization of graphical human-machine interfaces for controlling technical processes**

Wastell, D. G., Sauer, J., and Hockey, G. R. J.  
**Using micro-worlds in research on distributed cognition in complex dynamic worlds: A ten years retrospective on the Cabin Air Management System (CAMS)**

12:00 Discussion

13:00 Lunch

14:00 Session 5 *Process Control Requirements – Theory and Methods* – Chair: Tjerk W. van der Schaaf  
Hoorn, J. F., and Van der Veer, G. C.  
**Requirements engineering for groupware to manage business process dynamics and stakeholders’ mindset**

Chisalita, C.M., and Jones, P.H.  
**Learning from Distributed Cognition – User-centered Cognitive Analysis in Collaborative Applications**

15:00 – 16:00 Closing session

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