Programme

Co-development of Mathematics and the Means of War?

Wednesday, August 28

20:30 Welcome Cocktail at Hotel Conrad

Thursday, August 29

9:00 Opening. Welcome by Maurice de Gosson
Greetings by Claes Jogreus (Prefect)

Perspectives from Mathematics

9:30-10:10 *Roger Godement*
Mathematician, Bourbaki Group, Paris
Science and Military – A Short History of the Topic in the 20th Century

10:10-10:30 Comments and Discussion
10:30-10:45 Coffee Break

10:45-11:25 *Reinhard Siegmund-Schultze*
Mathematics Historian, Agder University College, Norway
Military Work of Mathematicians, 1914-1945: an Attempt at an International Perspective

11:25-12:05 *Elisabeth Rakus-Andersson*
Mathematician, Blekinge Institute of Technology, Karlskrona, Sweden
The Brains Behind the Enigma Code Breaking Before World War II

12:05-12:30 Comments and Discussion
12:30-14:00 Lunch

14:00-14:40 *Kathleen Williams*
Military Historian, CUNY, New York
Improbable Warriors: Mathematicians Grace Hopper and Mina Rees in World War II

14:40-15:00 Comments and Discussion
15:00-15:15 Coffee Break

15:15-15:55 *Tinne Hoff Kjeldsen*
Mathematics Historian, Roskilde University, Denmark
War as the Midwife of Mathematical Disciplines

15:55-16:35 *Revaz Valerianovich Gamkrelidze*
Mathematician, Steklov Institute of Mathematics, Russian Academy of Sciences
The Discovery of the Maximum Principle in Control Theory

16:35-16:55 Comments and Discussion

19:00 Public Lecture, Naval Museum
Philip J. Davis
Mathematician, Brown University, Providence, R.I., U.S.A.
Mickey Flies the Stealth: War and Entertainment

20:30 No-host Dinner, Restaurant Montmartre

Friday, August 30

Perspectives from the Military

9:00-9:40 *Svend Bergstein*
Lieutenant Colonel (ret.), Copenhagen
War Cannot Be Calculated

9:40-10:00 Comments and Discussion

10:00-10:40 *Svend Clausen*
Cing., Danish Defence Research Establishment
Warfare Can Be Calculated

10:40-11:00 Comments and Discussion
11:00-11:15 Coffee Break

11:15-11:55 *Helge Löfstedt*
Military Analyst, Swedish Defence Research Establishment
Duels of Systems and Forces

11:55-12:15 Comments and Discussion
12:15-13:15 Lunch

13:15-13:45 *Elmar Schmähling*
Rear Admiral (ret.), Berlin, Germany
Less or More Exposed Non-Combatants and Civilian Objects Under “Surgical Strikes”?

13:45-14:25 *Ute Bernhardt*
Computer Scientist, Forum InformatikerInnen für Frieden und gesellschaftliche Verantwortung e.V. - FIfF, Bonn, Germany
Facts and Fiction of “Information Warfare”

14:25-14:40 Comments and Discussion
15:30 Guided Tour of Naval Museum

Saturday, August 31

Ethical Issues

9:00-9:40 *Finn Aaserud*
Science Historian, Niels Bohr Archive, Copenhagen
Niels Bohr’s Political Crusade During World War II

9:40-10:00 Comments and Discussion

10:00-10:40 *Andrew Hodges*
Mathematician, Oxford, Great Britain
Military Use of Mathematics During and After World War II: the Case of Alan Turing

10:40-11:00 Comments and Discussion
11:00-11:15 Coffee Break

11:15-11:55 *Jesper Ryberg*
Philosopher, Roskilde University, Denmark
Military Research and Moral Responsibility

11:55-12:15 Comments and Discussion
12:15-14:00 Lunch

14:00-14:40 *Ib Martin Jarvad*
International Lawyer, Roskilde University, Denmark
Mathematical Thinking and the Law of War

14:40-15:00 Comments and Discussion

15:00-15:40 *Jürgen Scheffran*
Physicist, Institute for Climate Impact Research, Potsdam, Germany
Calculated Security? Mathematical Modelling of Conflict and Cooperation in Social Systems

15:40-15:50 Comments and Discussion

15:50 Closing Remarks by
Bernhelm Booss-Bavnbek
Mathematician, Roskilde University, Denmark
and Open Discussion.