at ultimate speed without the penalty of handshake delays.

Dr. Gustavson is a member of the Computation Research Group of the Stanford Linear Accelerator Center. He has taught several Fastbus courses, was on the design team which developed Fastbus, and is now chairman of the Fastbus Software Working Group, which develops supporting software standards. He has also worked extensively on other IEEE bus standards, beginning with IEEE 696 (S-100) and most recently IEEE 896 (Futurebus).

1400 - 1700
□ II: Real-Time Operating Systems
Martin Timmerman, Royal Military Academy, Brussels, Belgium

During this seminar different aspects of real time operating systems (RTOS) will be treated: definitions, possibilities, the way ‘system calls’ can be made, performance aspects, modular designing with RTOS, debugging applications.

Examples will be given of different commercially available OS with a comparison. The use of RTOS for small up to large systems, single or multiprocess systems will be covered.


1400 - 1700
□ I: RMX Real-Time Software
Simon Muchmore, Intel, Swindon

System software optimized for real-time provides better performance and a competitive advantage over other solutions. Understanding the special features needed in real-time software is important. Also, since applications requiring real-time computing are diverse in scope and sophistication, picking the right real time system software to match the level of functionality required is key to the success of the final solution. Real-time executives can now address the problems of multiprocessor applications as well. Real-time software ranges from these small, efficient kernels to sophisticated operating environments. This seminar focuses on how to choose the right solution for your application from the real-time offerings.

Simon Muchmore is a applications engineer with INTEL CORPORATION. He holds a degree in engineering from the University of Cambridge. His experience before joining Intel includes Bit-Slice Microprocessor design and the design of a complex, real time multiprocessor based system. Currently, Mr. Muchmore is responsible for Intel’s real-time software and hardware products in the UK.