



What we offer

With our vast academic and professional experience with speciality in parallel and distributed programming, we can offer high-quality services on:

- **Program Components.** We offer ready or customized program products for encapsulation in new or existing applications.
- **Consulting.** We can assist with knowledge, advices and program development.
- **Education.** We offer education on our products and related fields.



We are providing solutions for small as well as large systems.



Parallel Scalable Solutions AB

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Product and service information

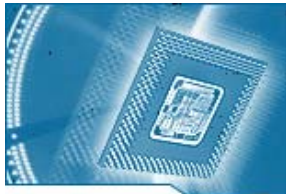


**Academic solutions
- for practical needs**

www.pss-ab.com



About The Company



Common PC-computers today contain processors supporting multiple threads.

Parallel Scalable Solutions AB is a high-tech company specialized on state-of-the-art techniques for parallel and distributed programming. As the hardware offers more and more *parallelism*, this puts increased demands on program developers. Common quality related demands can be performance, stability, and scalability.

A lot of efforts have been made on research for new techniques and approaches for efficiently being able to use the new hardware. We have ourselves participated and brought on many new techniques in non-blocking synchronization which enables *high scalability*. For the successes with our research, we have among other things been rewarded with a *best paper award*. Combined with our vast experience of program development, we have always focused on usability in practical applications.

Parallel Scalable Solutions AB is a high-tech company specialized on state-of-the-art techniques for parallel and distributed programming.

Products

We offer ready packaged solutions with program components as well as customized components for special needs.

NOBLE Professional Edition is a software library and framework containing *state-of-the-art* implementations of the most efficient algorithmic solutions for multi-thread and multi-process communication. The following advantages are of special interest:

- **Increased performance and scalability.**
- **Faster and easier program development.**
- **Increased stability and termination guarantees.**

Packaged in this product are *decades of research* and several years of development. The package includes over 30 powerful components that offer:

- **Standardized and transparent interface.**
- **Parallel versions of common data structures.**
- **The very latest non-blocking technology.**

Who are we



Dr. Håkan Sundell has been researching in non-blocking synchronization since 1999 and is the main developer of the software library NOBLE. He has a very

strong experience from program development since 1983, and from professional program development since 1995. Håkan is working full-time in the company and works with consulting on program development as well as advices and education.



Dr. Philippas Tsigas is leading a successful research group in distributed systems at Chalmers University of Technology.

He has a very strong academic background, has been researching in non-blocking synchronization since 1991, and is the initiator of the software library NOBLE. Philippas is working part-time in the company and works mainly with consulting on advices and education.

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