



Grid Engine Project Report and Workshop Outline

2nd Grid Engine Workshop 2003, Sep 22-24

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<http://sun.com/grid>

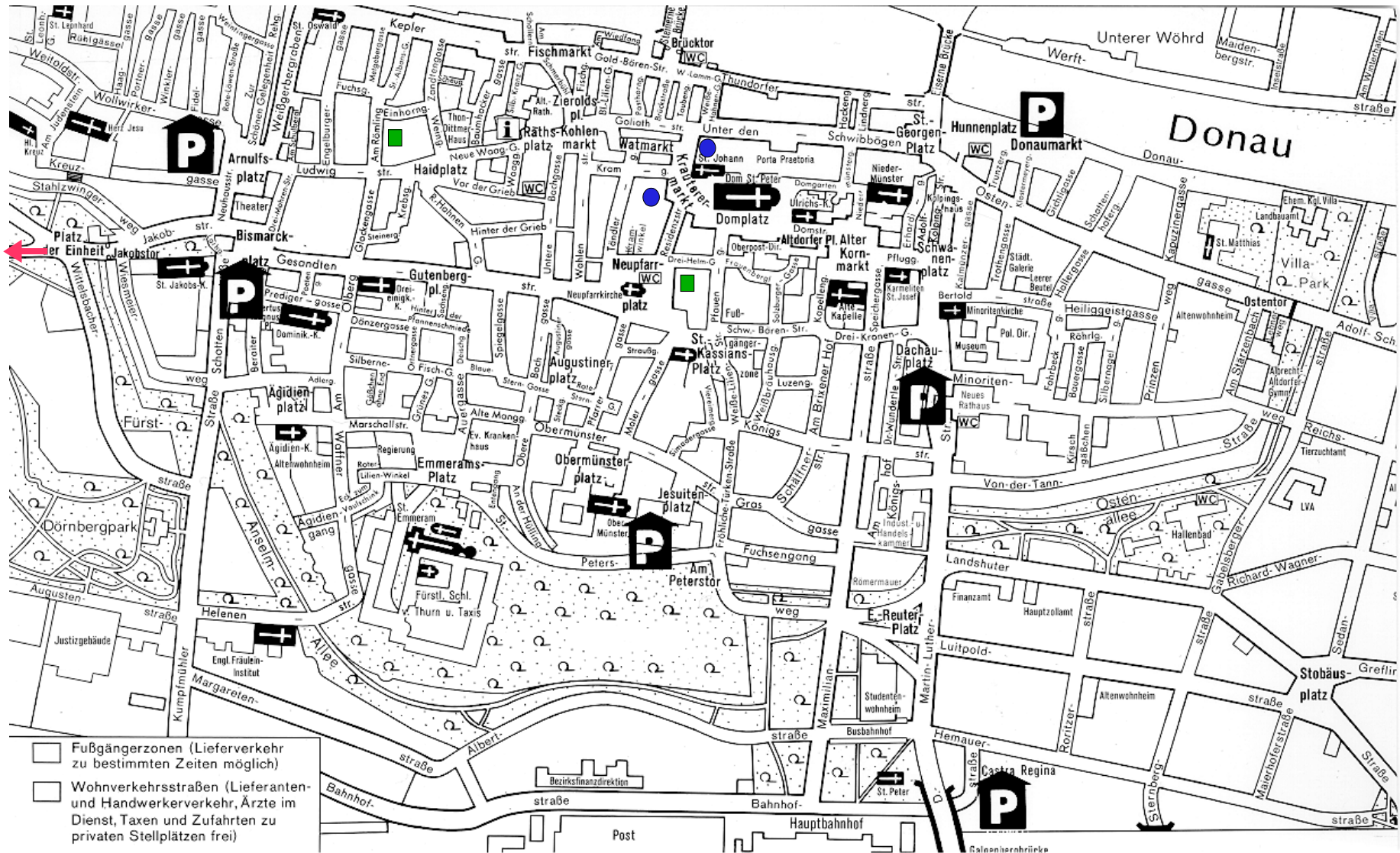


We make the net work.

Organizational Information

- Attendee Assistance → contact me!
 - Travel
 - Hotel
 - ...
- Dinner – Pick Main Course!
- Guided City Tour – Sign In!
- Wish List/Feedback to Andy until noon
- Location Information

● Sorat



-  Fußgängerzonen (Lieferverkehr zu bestimmten Zeiten möglich)
-  Wohnverkehrsstraßen (Lieferanten- und Handwerkerverkehr, Ärzte im Dienst, Taxen und Zufahrten zu privaten Stellplätzen frei)
-  Internet Cafes
-  Guest Hotels
-  Sun Office – 2km / 1.5m

● Ibis

Scope of the Workshop

- Receive an update on what's coming next in Grid Engine
- Provide feedback to GE developers
- Get to know each other and each other's projects / application of GE
- Have some interesting discussions about Grid Computing
- **Have some fun** 😊

Day 1, Mon Sep 22

6.0 Development Update

- Sun contributions to 6.0
 - What we do, why we do it and how
 - Technical scope for users and co-developers
- Feedback discussion section
 - Feedback collected until noon (!!!) by Andy
- Dinner

Day 2, Mon Sep 23

Partner Developments and Applications

16 Presentations!!!!

- Integrations with Globus / OGSI
- Applications in “Global Grids”
- Grid Engine solutions
- Applications in High Perf. Computing
- Security and Portal activities
- **City Tour**

Day 3, Mon Sep 24

Special Interest Group Day

- Focused discussions in smaller groups about, e.g.:
 - Globus/OGSI interoperability
 - Advanced scheduling requirements
 - DRMAA
 - Etc.

Where we stand w/ Grid Engine?

- Project started July 2001
- Downloads: ~30,000
- Members: > 800
- Supported platforms:
 - Solaris Sparc, Solaris x86, Linux x86 / Opteron / Itanium, Mac OS 10, IBM AIX, HPUX, Tru64 Unix, SGI Irix, ...

Sun Grid Engine

- Free baseline and priced Enterprise Edition product
- Sun Support
- Platforms: Solaris Sparc/x86, Linux x86
- Compatible w/ open source version
- Thousands of installations
 - Walker market study: Most commonly used RMS

Successes

- Wide adoption
- Partner Collaborations
 - EPCC, HPCVL, Imp. College, OSC, PSNC, ...
 - Cross platform porting: Mac OS X, Free BSD, Itanium, Opteron
- Solution Integration
 - Rocks, BioTeam, MSC

Improvement Needed

- Grid Engine Portal development activity
- Enable further development contribution
 - Modularize Arch & Code
 - Better defined interfaces

What's next?

- SGE/EE 6.0
 - Beta planned for Jan 04
 - Beta customers wanted!!!
 - Release early Q2CY04

6.0 Areas of Major Improvement

- Scalability
- Analysis / Monitoring / Accounting
- Ease of Installation / Administration
- Scheduler Functionality
- Standards Compliance
- Multiplatform Support



Thank you.

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