

Reminder

1. In this file, you can find the program of our workshop, a map of the local area of Tsinghua University, and the information of the transportation, etc.
2. You can exchange Chinese Currency at the airport.
3. All the participants will be accommodated in the [Jiasuo Hotel](#) of Tsinghua University.
4. The Jiasuo Hotel is marked by red sign in the map. And you can also find some marks of the west gate of Tsinghua University, the Building of Math Department, the northwest gate of Tsinghua University in the map.
5. You can use internet in Jiasuo Hotel, please bring the adapter for the connection if your laptop is a special one. Please also do not forget to bring the adapter for your power supply.
6. If you take a taxi from the airport to Jiasuo Hotel, please show the following words to the Taxi driver (about 110 RMB, 60 minutes). Please do not forget your receipt from Taxi driver.

The address of [Jiasuo Hotel](#):

Please take me to:

请将我送到:

Jiasuo Hotel, Tsinghua University (near the West Gate of Tsinghua University)

Tel: [86-10-62783166](tel:86-10-62783166)

清华大学甲所宾馆 (从清华大学西门进去大约 300 米) (电话: [62783166](tel:62783166))

7. For urgency, please call

13041094101 (Zhongyi Huang)

13521830949 (Shi Jin)

Workshop on Computational Methods for Quantum, High Frequency and Seismic Waves

December 20-21, 2008

Tsinghua University, Beijing, China

Program

Saturday, Dec 20, 2008

Morning Session

Venue: Lecture Hall 1304, New Sciences Building (理学院 1304 报告厅)

Chair: Shi Jin

Opening Ceremony 08:45 - 09:00

Arieh Iserles 09:00 - 09:45

Title: *On the simulation of very high frequency electronic circuits*

Wei Cai 09:45 - 10:30

Title: *Adaptive Cell-average Spectral Element Methods for transient Wigner Equations in quantum transport*

Tea Break: 10:30 - 11:00

Naoufel BEN ABDALLAH 11:00 - 11:45

Title: *Magnetization reversal by spin transport*

Lunch 12:00 - 14:00

Venue: Guest House of Jia Suo (甲所餐厅)

Afternoon Session

Chair: Zhongyi Huang

Dinghui Yang 14:00 - 14:45

Title: *TBA*

Hao Wu 14:45 - 15:30

Title: *Computing Schrodinger equation using efficient Eulerian Gaussian beam method*

Tea Break 15:30 - 16:00

Chair: Olof Runborg

Chunxiong Zheng 16:00 - 16:45

Title: TBA

Xavier ANTOINE 16:45 - 17:30

Title: *Microlocal approximations of the Dirichlet-Neumann map for high-frequency scattering and related numerical methods*

Banquet 18:00 - 20:00

Chair: Shi Jin Venue: Jia Suo Hotel (甲所餐厅)

Sunday, Dec 21, 2008

Morning Session

Venue: Lecture Hall 1304, New Sciences Building (理学院 1304 报告厅)

Chair: Arieh Iserles

Olof Runborg 09:00 – 09:45

Title: *TBA*

Zhongyi Huang 09:45 – 10:30

Title: *Bloch decomposition based numerical method for high frequency waves in periodic media*

Tea Break 10:30 – 11:00

Dongsheng Yin 11:00 – 11:45

Title: *TBA*

Lunch 12:00 – 14:00

Venue: Guest House of Jia Suo (甲所餐厅)

Afternoon Session

Chair: Dinghui Yang

Weizhu Bao 14:00 – 14:45

Title: *Emerging applications of spectral methods in quantum and plasma physics*

Jing Shi 14:45 – 15:30

Title: *Multidimensional tunneling by quantum transition state theory*

Tea Break 15:30 – 16:00

Chair: Naoufel BEN ABDALLAH

Hanquan Wang 16:00 – 16:45

Title: *Numerical simulations on ground states of rotating Bose-Einstein condensate*

Peter Markowich 16:45 – 17:30

Title: *TBA*

Dinner 18:00 – 20:00

Venue: Guest House of Jia Suo (甲所餐厅)



清华大学
Tsinghua University



Northwest Gate

清华大学西北门

对外学术交流中心

留学生楼

Dept. of Math.

New Sciences Building

数学系

tsinghua

West Gate

清华大学西门



- 机关院系
- 教育资源
- 服务资源
- 校园景点
- 公交站点

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地图视野: 258.33米