

International Summer Science Camp

The ISSC is an international summer-academy, which has the aim of connecting young scientists all over the world by providing a great platform for information exchange. The second ISSC 2007 takes place in the Rhein-Main area, one of the most active regions in Germany regarding new technologies and scientific developments. Therefore the summer camp 2007 will give new insights into “modern technologies”.



You will learn:

- how biologists try to fight against cancer
- how physicists simulate the big bang
- how chemists solve molecular structures to develop novel drugs
- how traffic systems are controlled

...and a lot more!

Preliminary activities

Modern technologies – hearing the topic of the ISSC the first time, you might have many different ideas in mind. And so it is! This issue covers a wide range of latest research in the field of natural science and engineering.

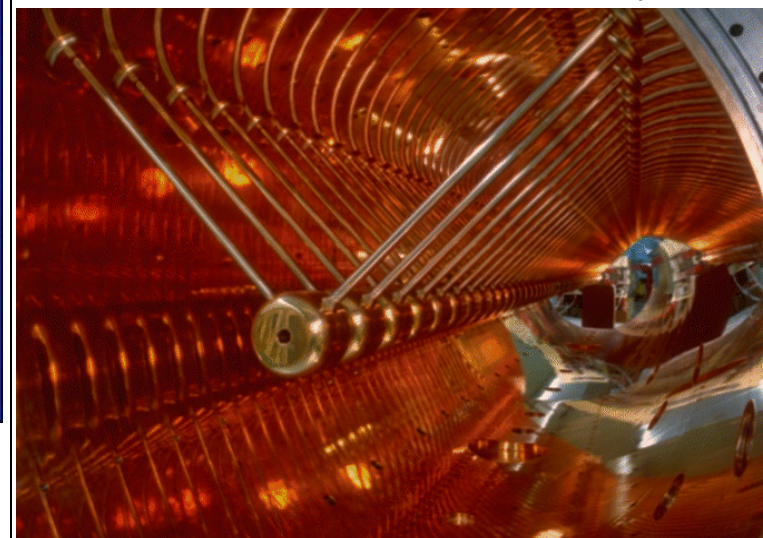


German Cancer Research Center – Heidelberg (www.DKFZ.de)

The German Cancer Research Center is placed in the city of Heidelberg. Goal of the institute is the systematic investigation of cancer development mechanisms as well as the identification of cancer risk factors. The results of this basic research are expected to be developed into new approaches in the prevention, diagnosis, and treatment of cancer.

Society for heavy-ion research – Darmstadt (www.GSI.de)

The GSI is focused on the “understanding of the structure and behaviour of the world that surrounds us”. The GSI operates a large, unique accelerator facility for heavy-ion beams. Researchers from around the world use the facility for basic research in the field of nuclear and particle physics as well as material research experiments and plasma physics.



Here, scientists discovered within the last years several very heavy atoms like Hassium (atomic weight 108), Darmstadtium (110), and Roentgenium (111). Further experiments try to elucidate the formation of the universe within the first milliseconds after the big bang.

Center for Biological Magnetic Resonance – Frankfurt (www.BMRZ.uni-frankfurt.de)

Embedded in the biocenter of Frankfurt University the BMRZ is one of the world-largest facilities for magnetic resonance. Biomolecular magnetic resonance spectroscopy is of central importance for the determination of structure and function of biological macromolecules like proteins or DNA and the development of novel drugs.



Other activities:

- workshops and discussions
- cultural studies and nightlife
- survey of companies within the area

Facts about the ISSC 2007

Accommodation

Youth hostel Darmstadt “am Woog”
Jugendherberge “am Woog”
Landgraf-Georg-Str. 119
64287 Darmstadt
Phone: +49-(0)6151-45293
(www.djh.de)

Travel information



Frankfurt Intl. Airport,
public transport to Darmstadt (bus, train)



Darmstadt Hbf (main station)

Registration

starting january 2007.
Registration forms will be available
on our homepage.

(www.juforum.de/aktivitaeten/ISSC)

Important

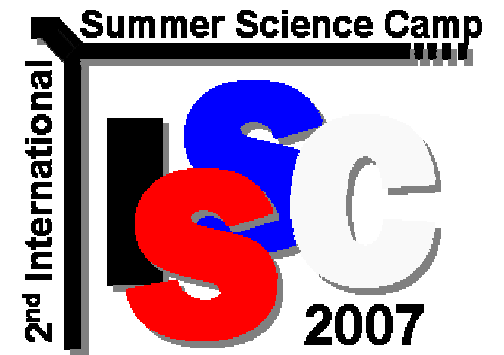
Minimum age for all participants is 16 years !

Please visit our website for further
information and questions:

www.juforum.de

or write an e-mail:

ISSC@juforum.de



Modern Technologies

05.-11.08.2007
Rhein - Main Germany