

1 SUSY2007, Karlsruhe, July 26-August 1, 2007.

The 15th Annual International Conference on Supersymmetry and Unification of the Fundamental Interactions will be held in Karlsruhe, Germany from July 26-August 1, 2007. The conference will be hosted by the University of Karlsruhe, located 100 km south of Frankfurt.

Since their inception in 1993, the SUSY conferences have become the largest annual international meeting devoted to new ideas in particle physics. The clear establishment of a large fraction of Dark Matter and Dark Energy in our universe cannot be explained by the Standard Model of Particle Physics (SM). Supersymmetry (SUSY) has become the prime paradigm for physics beyond the SM.

SUSY07 takes place just before the start of the Large Hadron Collider (LHC), widely anticipated to yield evidence for SUSY and the Higgs bosons. With roughly 200 plenary and parallel presentations, SUSY07 will provide a focus for the growing excitement in high energy physics, as theorists and experimentalists discuss new results and plan for the future.

For registration and further information on the conference, see:

<http://www.susy07.uni-karlsruhe.de>

The conference program starts in the morning of Thursday, 26 July and finishes on Wednesday, 01 August at lunchtime.

2 PreSusy07 Summer School: July 23-26, 2007

As a preparation for Susy07 there will be introductory lectures for those who have not been working on all aspects of the exciting physics expected from the LHC and cosmology from July 23 - July 25, 2007 with the following topics:

- Basics of Susy - Dmitri Kazakov (Dubna)
- Basics of Direct Dark Matter Searches - Josef Jochum (Tbingen)
- Basics of Indirect Dark Matter Searches - Wim de Boer (Karlsruhe)
- Basics of Higgs Physics - Sven Heinemeyer (Santander)
- Basics of Physics at the LHC - Howard Baer (Tallahassee)
- Basics of Cosmology - Edward Kolb (Fermilab)
- From Symmetry to Supersymmetry - Julius Wess (Munich)
- Expectations for a final theory - Frank Wilczek (MIT)

3 Topics

SUSY 2007 focuses on

- Supersymmetry and Higgs Searches
- Neutrino Physics
- Unification
- Superstrings
- SUSY in Astrophysics and Cosmology
- Flavour Physics and CP Violation
- Alternatives

4 Plenary speakers include (so far)

B. Allanach (Cambridge)	L. Baudis (Aachen)	H.-C. Cheng (UC Davis)
S. Y. Choi (Chonbuk)	A. Czarnecki (Edmonton)	A. Djouadi (Paris)
A. Duperrin (Marseille)	B. Dutta (Texas A&M)	J. Ellis (CERN)
L. Evans (CERN)	D. Hooper (Fermilab)	G. Isidori (Frascati)
S. Jäger (Munich)	K. Jakobs (Freiburg)	E. W. Kolb (Chicago)
S. Kraml (CERN)	S. Leone (Pisa)	A. Linde (Stanford)
M. Mangano (CERN)	A. Masiero (Padua)	H.-P. Nilles (Bonn)
K. Olive (Minnesota)	L. Randall (Harvard)	S. Raby (Ohio)
Q. Shafi (Delaware)	M. Shifman (Minnesota)	M. Spiropulu (CERN)
F.D. Steffen (MPI Munich)	J. Wess (Munich)	F. Wilczek (MIT)

There will be 6 parallel sessions:

- SUSY searches at colliders
Convenors: D. Acosta (Florida), D. Zerwas (Orsay), J. Kalinowski (Warsaw), W. Porod (Wü rzburg)
- Higgs searches at colliders
Convenors: G. Weiglein (Durham), H. Logan (Carleton), M. Schumacher (Bonn), Y. Sirois (Paris)

- Strings and SUSY formal theory
Convenors: A.Hebecker (Heidelberg), B. Lillie (Chicago), Y. Nomura (Berkeley)
- Alternatives
Convenors: A. Pomarol (Barcelona), G. Landsberg (Brown Univ.) Maxim Perelstein (Cornell), Piotr Traczyk (Warsaw)
- Flavor
Convenors: G. Hou (Taipei), M. Gorbahn (Karlsruhe), P. Ko (KIAS, Korea), S. Robertson (McGill)
- Cosmology
Convenors: A. Morselli (Roma), K. Eitel (FZK, Karlsruhe), L. Covi (DESY), S. Profumo (Caltech)

5 Abstract Submission

Abstracts are invited for poster sessions or contributed talks in the parallel sessions mentioned above and must be submitted by May 11, 2007 at the very latest. Please submit your abstract using the abstract submission form on the SUSY07 homepage.

6 Location

The conference is being held at the Department for Physics of the Karlsruhe University. The main auditorium and the smaller auditoriums for the parallel sessions are all in the Physics Building.

7 Registration and Conference fees

To register online please go to the conference web site <http://www.susy07.uni-karlsruhe.de> and click on the link for "Registration".

The conference registration fee is 250 EUR, if paid before July, 2, 2007. Afterwards 300 EUR.

8 Accommodation

Accommodation is available through the Karlsruhe Fare and Convention Office. For online booking please go to the conference web site <http://www.susy07.uni-karlsruhe.de> and click on the link for "Accommodation".

9 Important Dates

- Friday 11 May : last day for parallel talk submission
- Friday 18 May : abstracts refereed
- Monday 21 May : abstracts selected for scheduling in poster/parallel sessions
- Monday 28 May : parallel and poster sessions scheduled
- Monday 25 June : last day for hotel reservation
- Monday 02 July : last day for payment of reduced registration fee
- Wednesday 25 July : 5 pm on site registration opens
- Thursday 26 July : 9 am conference begins
- Thursday 01 August : 1 pm conference ends

10 Social Events

- Wednesday 25 July, 18:00-20:00: Registration and reception at the pond next to the physics building
- Thursday 26 July, 19:30: Conference Photo in front of castle and welcome reception at Badische Weinstube
- Friday, 27 July, 20:00: Public Talk by E.W. Kolb on "The Quantum and the Cosmos"
- Sunday 29 July : Choice of Excursions to either
 - Heidelberg and Speyer
 - Strasbourg and Northern Alsace
 - Rhineland-Palatinate and Südliche Weinstrasse
 - Baden-Baden and Black Forest
- Wednesday, 31 July, 20:00: Conference dinner in Majolika (a historical ceramic manufacture)

11 Local Organizing Committee

Wim de Boer (co-chair)	Iris Gebauer	Martin Gorbahn
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Matthias Steinhauser	Dieter Zeppenfeld (co-chair)	

12 Program Committee

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