

**Joint European and National Astronomical
Meeting**

JENAM 2001

**FIVE DAYS OF CREATION:
Astronomy with Large Telescopes
from Ground and Space**

**in connection with the
10th Meeting of European Astronomical Society and
75th Annual Assembly of the Astronomische
Gesellschaft
Munich, September 10 – 15, 2001**

Der Vorstand der Astronomischen Gesellschaft:

Erwin Sedlmayr, Berlin (Vorsitzender)
Joachim Krautter, Heidelberg (stellvertretender Vorsitzender)
Josef Gochermann, Bochum (Rendant)
Reinhard E. Schielicke, Jena (Schriftführer)
Klaus Fritze, Potsdam (Pressereferent)
Ronald Weinberger, Innsbruck
Rainer Spurzem, Heidelberg

Scientific Organising Committee (SOC):

Erwin Sedlmayr (AG, Germany, Co-Chair)
Jean-Paul Zahn (EAS, France, Co-Chair)
Wolfgang Hillebrandt (Germany, Chair LOC)
Ralf Bender (Germany)
Joachim Krautter (Germany)
Bohdan Paczynski (USA)
Michael Perryman (Netherlands)
Alvio Renzini (Germany)
Peter Shaver (Germany)
Rainer Spurzem (AG, Germany)
Magda Stavinschi (Romania)
Yasuo Tanaka (Germany)
Joachim Truemper (Germany)
Ronald Weinberger (Austria)

Local Organising Committee (LOC):

Wolfgang Hillebrandt (Chair, MPA)

Thomas Gehren (USM)

Josef Gochermann (Bochum)

Joachim Krautter (Heidelberg)

Markus Rampp (MPA)

Hans Ritter (MPA)

Herbert Scheingraber (MPE)

Reinhard E. Schielicke (Jena)

Peter Shaver (ESO)

Rainer Spurzem (Heidelberg)

Contact Address of the LOC:

Cornelia Rickl, Max-Planck-Institut für Astrophysik

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Tel: ++49(0)89-30000-2201, Fax: ++49(0)89-30000-2899

E-Mail: car@mpa-garching.mpg.de

Registration and Accommodation

Contact address/Conference office

CSM Congress and Seminar Management, Industriestr. 35, D-82194 Gröbenzell, Germany; Phone: +49-8142-570183, FAX: +49-8142-54735

(Online-Registration is still possible by e-mail: info@csm-congress.de)

Registration Fee

	<u>price per person</u>
AG member	150,00 DEM
EAS member	150,00 DEM
Student (only with a copy of student ID)	80, 00 DEM
Non-Member	180,00 DEM
<hr/>	
Accompanying Person	60,00 DEM

The registration fee includes

Admission to all lectures from Monday-Saturday, welcome reception on Sunday evening, coffee breaks, abstract booklet and transportation to the general excursion to lake Starnberg (20,00 DM for food & beverage has to be paid extra).

The registration fee for accompanying persons includes

Welcome reception on Sunday evening and transportation to the general excursion to lake Starnberg (20,00 DM for food and beverage has to be paid extra).

Payment

1. Direct bank transfer

All fees are collected by the Conference Office CSM in the name of the organizer. Please remit your payment to the following account:

CSM, C. Schröttenhammer
Bank Name: HypoVereinsbank München
Bank Code: 700 202 70
Bank Account: 46 58 51 00

Please indicate the name of the participant and the code "JENAM"

2. Credit Cards

The following creditcards are accepted: VISA, EURO/MASTER, AMEXCO

Cancellation

All cancellations must be made in writing to the Conference Secretariat CSM. For cancellations received before 17 August 2001 a refund of 80% will be granted. The hotel deposit will be refunded minus a handling fee of DEM 40,00 DM. No refunds can be made for cancellations after that date.

Hotel Reservation

The Conference Office CSM has reserved a large number of hotel rooms in different categories. The reservation service is free of charge. CSM only acts as an agent, so the contract is effected directly between the guest and the hotel.

Hotel reservations require a deposit of DM 250,00 per room. Please note, that bookings are only effective with pre-payment of the deposit. Upon payment CSM issues a hotel voucher and sends it along with all necessary hotel information.

<u>Hotel categories</u>	<u>single/double</u>	<u>DM per night</u>
First class	single room	220-265 DM
	double room	260-290 DM
Middle class	single room	175-215 DM
	double room	210-270 DM
Standard class	single room	125-170 DM
	double room	170-210 DM

Prices are quoted per room per night incl. breakfast and VAT. All hotels are within walking distance or no more than 20 minutes by public transportation. Please, book your hotel room at the Conference Office CSM. Should you have any questions concerning the hotel reservation please contact CSM. CSM will try to find rooms for each participant in the category she/he wishes.

General Congress Information:

- **Conference Location**
"Audimax" is in the building of Geschwister-Scholl-Platz, the **Rooms E51/E52 and 138/139** are in the building of Theresienstrasse 37-39.
- **Program Details**
Detailed information about JENAM 2001 can be found at the following website: <http://www.mpa-garching.mpg.de/english/conferences/jenam01>
- **Conference Language**
English will be used for all presentations and printed matters.
- **Currency / Banks / Credit Cards**
The local currency is DEM (Deutsche Mark) There are several banks located around the conference site. Money can also be exchanged at the airport, the main railway station and at money changing agencies in the city center. Credit cards are generally accepted by hotels, fine dining restaurants and most department stores. However smaller shops tend to prefer cash or bank cheques.
- **Shopping Hours**
The big department stores are usually open from 09:30 - 20:00h, smaller shops often close at 18:00h. On Saturday most shops are open till 16:00h. On Sunday all shops are closed.
- **Climate**
In general, the weather in Munich is very nice and stable in September. The average day temperature is about 15°. However the evenings and early mornings tend to be chilly.
- **Clothing**
Casual wear would be suitable for the conference itself. For the trip to lake Starnberg we recommend comfortable shoes and a rain jacket.
- **Insurance**
Neither the organizer nor the conference secretariat can accept responsibility for any accidents that might occur or for any loss of property. Participants should therefore make their own insurance arrangements.

The Conference Office On-Site:

Here you will receive your conference bag and your name badge. We recommend to check in on Sunday, September 9 in order to avoid queueing on Monday morning.

Sunday - Tuesday at the foyer of the "Audimax"
 at Geschwister-Scholl-Platz
 Ludwig-Maximilians-Universität
 Phone: 089/2180-5684
 e-mail: info@csm-congress.de

Wednesday - Saturday at the foyer of the lecture halls
 Ludwig-Maximilians-Universität
 at the Theresienstrasse 37-39
 Phone: 089/2394-4607
 e-mail: info@csm-congress.de

A message board will be placed adjacent to the conference office. This can be used as general meeting point.

Opening hours are as follows:

Sunday, September 9, 2001 17:00 - 20:00h

Monday, September 10, 2001 08:00 - 18:00h

Tuesday, September 11, 2001 08:30 - 18:00h

Wednesday, September 12, 2001 08:30 - 15:00h

Thursday, September 13, 2001 08:30 - 17:00h

Friday, September 14, 2001 8:30 - 17:00h

Welcome Reception

Sunday, 9 September 2001 - 18:00 – 20:00h (included in the congress fee).

The Welcome Reception and Pre-Registration on Sunday afternoon will be take place at the LMU, Geschwister-Scholl-Platz (at the foyer of the “Audimax”).

Excursions

1. City-Sightseeing Tour Munich and Nymphenburg Castle Monday, 10 September 2001, 13:30 – 16:30. Price per person: **36,00 DM** incl. bus, english speaking guide, entrance fee.
Meeting Point: Conference Office at the LMU, Geschwister-Scholl-Platz.

This sightseeing tour will show you a wide selection of famous monuments and attractions, including the district “Schwabing”, the Royal Palace “Residenz” and the city centre “Marienplatz” with its beautiful churches “Frauen- & Theatinerkirche”. You will also visit “Nymphenburg” Castle, the former summer residence of the royal family with its noble halls and the wonderful park.

2. General excursion to lake “Starnberg” with dinner at the monestary Andechs (20,00 DM voucher) Wednesday, 12. September, 15:30 - 23:00h
Meeting Point: Conference Office at the Theresienstrasse. Price per person: **20,00 DM**

All participants are invited to go altogether to lake Starnberg, a very popular one day trip for the people of Munich. There you can enjoy a cruise of 1h on the lake socializing with your friends and colleagues on a hopefully sunny Indian summer day.

The boat will anchor at the town “Tutzing”. From there buses will take you to the famous beer brewery & monastery "Andechs". After a little hike up the hill the cosy typical Bavarian restaurant will invite you to taste the “Andechs” freshly brewed beer. You can order from the menu whatever you wish to have. The 20,00 DM voucher will be credited. The rest has to be paid directly to the waiter. Later buses will bring you back to Munich. We expect to arrive in Munich LMU at about 23:00h

3. Tour "Neuschwanstein" Castle Thursday, 13 September, 2001 - 9:00 a.m. – 6:00 p.m.

Meeting Point: Conference Office at the LMU, Geschwister-Scholl-Platz. Price per person: **130,00 DM** incl. bus, entrance fee, lunch, english speaking guide

This tour through the alpine landscape will lead us first to the magnificent Rococo "Wies" - church. Afterwards you will visit one of the most spectacular monuments in Bavaria, the fairy tale castle of "Neuschwanstein", built by King Ludwig II. Lunch will be served at a traditional restaurant nearby the castle. Sneakers are recommended as you will walk uphill to the castle (approx. 25 Min.)

Booking of Excursions

Please book your tours with the registration form. Should you have any questions about the program please contact the conference secretariat CSM.

The feasibility of the tours depends on the number of participants. CSM reserves the right to cancel and refund the tours if the minimum number is not reached. Therefore CSM recommends to book in advance, not on site.

All tours are subject to change. Participation is at your own risk.

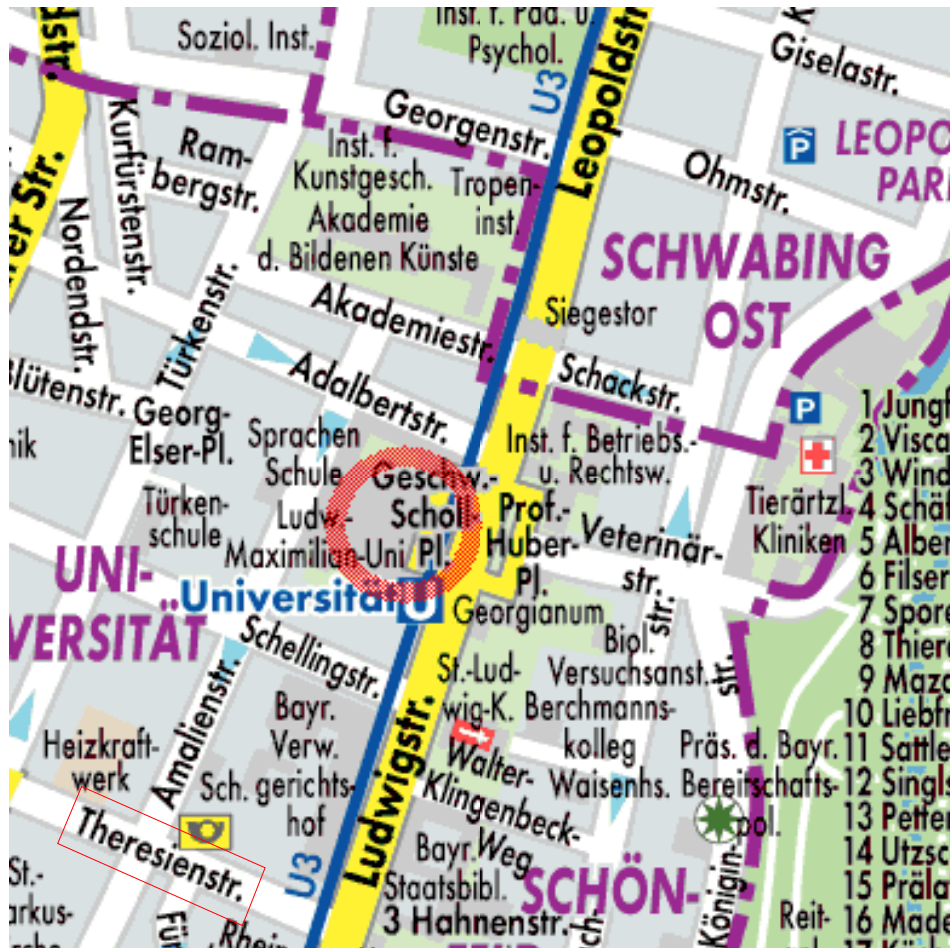
Cancellation of Excursions

All cancellations must be made in writing to the Conference Secretariat CSM. For cancellations received before 17 August 2001 a refund of 80% will be granted. No refunds can be made for cancellations after that date.

Map around the Ludwig-Maximilians-Universität

The lecture halls are located at two different buildings of the LMU:

“Audimax” at Geschwister-Scholl-Platz
Room “E51”/ “E52” at Theresienstrasse 37–39
Room 138 / 139 at Theresienstrasse 37–39



Arrival by plane:

Munich International Airport (MUC) is located about 30 km north of Munich (<http://www.munich-airport.de/english/index.htm>). From there you can get to the conference site located in the University building in Munich:

by Taxi

Cabs are located just outside the terminals (ground level); costs are about 100 DM; duration about 45 minutes depending on the traffic situation.

by Public transportation

Munich airport has two S-Bahn lines (city trains), both go to Munich city center - line no. S8 (via Munich east) and no. S1 (via Munich west). The terminal is situated in the underground level, central area, marked "Z". Follow the symbols showing a **white S in a green circle**. Trains leave every 20 minutes at all times of air traffic. You exit at station "Marienplatz" and change there to the underground line (follow the symbols with a **white U in a blue square**). Take train no. "U6" directed either to "Garching-Hochbrück or Fröttmaning" or "U3" directed to "Olympiazentrum" and exit after two stops at station "Universität".

TICKETS can be purchased in the airport just outside the S-Bahn station. Single ride is about 16 DM; buying a strip-ticket (Streifenkarte) with 10 stripes (DM 17.50) saves you about 10% of the price. You need to cancel 8 stripes for the whole trip (see instructions in English at the ticket machines). The left-over of two stripes can later be used for travelling within the center of Munich. Please make sure that you have put your ticket into one of the little, waist-high blue-boxes called "Entwerter" to get it punched before you step onto the platform or into the train. Otherwise your ticket is not valid! (Public transport "MVV": <http://www.mvv-muenchen.de>)

Arrival by train:

If you come to Munich by train you will arrive at the main railway station "Hauptbahnhof (Hbf)", right in the centre of Munich. From there you can take any S-Bahn to "Marienplatz" and change there to underground line no. 6 (direction "Garching-Hochbrück" or "Fröttmaning") or "U3" directed to "Olympiazentrum" and exit after two stops at station "Universität" (see also above under section "arrival by plane/public transportation").

Tickets can be purchased at kiosks, from bus and street car drivers or from big blue ticket vending machines marked with "MVV". A "single ticket"

will cost you DM 4.00. Buying a strip-ticket (Streifenkarte) with 10 stripes (DM 17.50) would enable you to use the left-over stripes for further rides later. You need to cancel 2 stripes for this trip (instructions in English at the ticket machines).

Arrival by car:

If you travel by car and come from the north you should use the motorway Munich-Nürnberg (BAB 9) and drive until you reach the end of the motorway. Then turn to the right, direction "Olympiastadion and Autobahn Lindau-Garmisch". After approximately 500 meters you will come to a traffic light. Turn to the left into "LEOPOLDSTRASSE" and then drive straight ahead (approximately 2 km). After passing by the "Siegestor", which is centered in midth of the street, you can see the university buildings on both sides of the street. The conference building is located on the right side. Note: There is no parking lot reservation for conference participants. Parking space may be rare and rather expensive.

Needless to ask you to use a city map for more detailed travel information, also if you come from other directions. A city map of Munich can be found on the web pages of "Landeshauptstadt München" under: www.gausz.de/muenchen/index.asp

Einladung zur 75. Ordentlichen Mitgliederversammlung

Der Vorstand lädt alle Mitglieder der Astronomischen Gesellschaft zur Teilnahme an der 75. Ordentlichen Mitgliederversammlung ein, die während JENAM2001 in München am Dienstag, den 11. 9. 2001 und am Donnerstag, dem 13. 9. 2001 jeweils von 17.00 bis 19.00 Uhr im Raum 138 der Ludwig Maximilians Universität München stattfinden wird.

Die Tagesordnung umfasst die folgenden Punkte:

1. Bericht des Vorstandes (Vorsitzender, Schriftführer, Rendant und Pressereferent)
2. Bericht der Kassenprüfer
3. Entlastung des Vorstandes
4. Höhe des Mitgliedsbeitrages
5. Neuwahlen zum Vorstand
6. Verschiedenes

Zu Punkt 5: In München scheidet die Herren Goehrmann und Schielicke satzungsgemäß aus dem Vorstand aus. Beide können wiedergewählt werden. Der Vorstand schlägt beide als Kandidaten zur Wiederwahl vor.

Er bittet die Mitglieder um weitere Kandidatenvorschläge bis zum 12. September 2001, 24 Uhr, die gemäß der Wahlordnung "mit einem schriftlichen Einverständnis des Kandidaten zur Kandidatur" versehen sein sollten.

Mini Symposia and Joint Discussion Topics and Conveners

Mini Symposia

MS 1 **X-Ray Astronomy from the Local Bubble to AGN**

Dieter Breitschwerdt, MPE Garching, breitsch@mpe.mpg.de

URL: <http://wave.xray.mpe.mpg.de/conferences/jenam-symp/>

Monday, 10 September 2001, 14:00 – 15:30, 16:00 – 17:30

and 18:00 – 19:30 Room E51.

Tuesday, 11 September 2001, 14:00 – 15:30, Room E51.

MS 2 **Massive Stars, the ISM, and Chemical Evolution**

Roland Diehl, MPE Garching, rod@mpe.mpg.de

URL: [http://www.gamma.mpe-garching.mpg.de/mpeteam/workshop/](http://www.gamma.mpe-garching.mpg.de/mpeteam/workshop/jenam01_MSISM.htm)

[jenam01_MSISM.htm](http://www.gamma.mpe-garching.mpg.de/mpeteam/workshop/jenam01_MSISM.htm)

Wednesday, 12 September 2001, 9:00 – 10:30 and

11:00 - 12:30, Room 138.

MS 3 **Particle (Neutrino/Cosmic Ray and Gamma Ray-Astronomy**

Karl Mannheim, Universitäts-Sternwarte Göttingen, kmannhe@uni-sw.gwdg.de,

URL: <http://www.uni-sw.gwdg.de/~kmannhe/CONFERENCES/>

[jenam2001.html](http://www.uni-sw.gwdg.de/~kmannhe/CONFERENCES/jenam2001.html).

Monday, 10 September 2001, 14:00 – 15:30, 16:00 – 17:30

and 18:00 – 19:30, Room E52

MS 4 **Formation of Extrasolar Planets – Theory, Observation, Lab Experiment**

Thomas Henning, Astrophysikalisches Institut und Universitäts-Sternwarte

Jena, henning@astro.uni-jena.de

URL: <http://www.astro.uni-jena.de/jenam.htm>

Wednesday, 12. September 2001, 9:00 - 10:30 and 11:00 - 12:30, Room

E51, Thursday 13. September 2001, 14:00 - 15:30 and 16:00 - 17:00,

Room E51

MS 5 **Evolution of Galaxies – Observation and Dynamics**

Rainer Spurzem, ARI Heidelberg jenam-ms5@ari.uni-heidelberg.de

URL: <http://www.astro.ruhr-uni-bochum.de/haberzet/JENAM01/ms5.html>

Monday, 10 September 2001, 18:00 – 19:30, Room 138, Tuesday, 11

September 2001, 14:00 – 15:30, Room E52 Wednesday, 12 September

2001, 9:00 – 10:30, and 11:00 – 12:30, Room E52

- MS 6 **European Large Scale Facilities in Astronomy**
Alvio Renzini, ESO Garching arenzini@eso.org
and Richard Schilizzi, JIVE Netherlands
URL: <http://www.jive.nl/jive/jive/jenam2001/symposium6.htm>
Monday, 10 September 2001, 14:00 – 15:30, 16:00 – 17:30, Room 138
and Tuesday, 11 September 2001, 14:00 – 15:30, Room 138
- MS 7 **Magnetic Activities in Stellar Evolution**
Beate Stelzer, MPE Garching stelzer@mpe.mpg.de
URL: http://www.xray.mpe.mpg.de/~stelzer/jenam_ms7.html
Thursday, 13 September 2001, 14:00 – 15:30 and 16:00 – 17:00, Room
E52. Friday, 14 September 2001, 14:00 – 15:30, Room 138
- MS 8 **Accretion, Turbulence and MHD – Stability and Instability
in Astrophysical Flows**
Wolfgang J. Duschl, ITA Universität Heidelberg wjd@ita.uni-heidelberg.de
URL: http://www.ita.uni-heidelberg.de/~wjd/jendam_2001.htm
Monday, 10 September 2001, 14:00 – 15:30, Room 139
Tuesday, 11 September 2001, 14:00 – 15:30, Room 139
- MS 9 **Hot Subdwarfs and White Dwarfs and Low-mass Stellar Evo-
lution**
Stefan Dreizler, Universität Tübingen dreizler@astro.uni-tuebingen.de
URL: <http://astro.uni-tuebingen.de/~dreizler/JENAM2001/index.html>
Thursday, 13 September 2001, 14:00 – 15:30 and 16:00 – 17:00, Room
138
Friday, 14 September 2001, 14:00 – 15:30 and 16:00 - 17:30, Room E52
- MS 10 **Large Telescope for Solar Physics**
Jürgen Staude, Astrophysikalisches Institut Potsdam jstaude@aip.de
URL: http://aipsoe.aip.de/jenam_ms10.html
Friday, 14 September 2001, 14:00 – 15:30 and 16:00 – 17:30, Room E51

Joint Discussions

JD 1 **Astronomy with Robotic Telescopes: Present and Future Projects**

Klaus G. Strassmeier, Astrophysikalisches Institut Potsdam

kstrassmeier@aip.de

URL: http://www.aip.de/groups/activity/misc/jenam_jd1.html

Wednesday, 12 September 2001, 9:00 – 10:30 and

11:00 – 12:30, Room 139

JD 2 **Virtual Observatory**

Wolfgang Voges, MPE Garching, wvoges@mpe.mpg.de

URL: <http://wave.xray.mpe.mpg.de/conferences/jenam-jd2-vo/>

Thursday, 13 September 2001, 14:00 – 15:30

and 16:00 – 17:00, Room 139

JD 3 **European Astronomy with Small Telescopes**

Magda Stavinschi, Romania magda@roastro.astro.ro

URL: <http://www.mpa-garching.mpg.de/english/conferences/>

[jenam01/jd3.html](http://www.mpa-garching.mpg.de/english/conferences/jenam01/jd3.html). Monday, 10 September 2001, 16:00 – 17:30

and 18:00 - 19:30, Room 139

JD 4 **World Space Observatory (Ultraviolet) WSO/UV:**

The missing link in Astronomers toolkit

Willem Wamsteker, ESA/VILSPA, Madrid, Willem.Wamsteker@esa.int

URL: http://www.laeff.esa.es/users/ch/Jenam_JD4.html

Friday, 14 September 2001, 16:00 - 16:45, Room E05 Saturday, 15

September 2001, 9:00 - 10:30 and 11:00 - 12:30, Room E05

JD 5 **Gravitational Physics**

Gerhard Schäfer, Uni Jena, gos@tpi.uni-jena.de

URL: <http://www.astro.auth.gr/jenam01/>

Friday, 14 September 2001, 16:45 - 17:30, Room E06

Saturday, 15 September 2001, 9:00 - 10:30

and 11:00 - 12:30, Room E06

Special Colloquium on History of Astronomy

European Astronomy in the 20th Century

Helmut Steinle, MPE Garching hcs@mpe.mpg.de

organized by the Working Group for the History of Astronomy in the Astronomische Gesellschaft in the framework of the Joint European and National Astronomical Meeting for 2001

Reduced fee for Special Colloquium only participants: DM 50

You can register for the Special Colloquium now under the

URL: <http://www.gamma.mpe-garching.mpg.de/~hcs/JENAM2001MS/jenam2001ms.html>

The European meeting of astronomers to be held in September 2001 in Munich will give the opportunity to review the development of astronomy in Europe during the last century. Emphasis will be made on the evolution of ideas, instruments, and scientific results, although the history of institutions and biographies of astronomers may also be considered.

P r o g r a m

Sunday, 9 September

18:00

till **Reception and Registration** (Audimax)

20:00

Monday, 10 September

09.00

Opening Session (Audimax) by the Chair of the
Astronomische Gesellschaft, Erwin SEDLMAYR and
by the Chair of the European Astronomical Society,
Jean-Paul ZAHN

Words of welcome

Award of the Karl-Schwarzschild Medal to

Prof. Keiichi Kodaira Tokyo (Japan)

Award of the Bruno-H.-Bürgel-Preis to

Dr. Hans Jakob Staude, Heidelberg (Germany)

Award of the AG-Sonderpreis "Jugend forscht" to

Kai Schmitz, Berlin (Germany)

*** *coffee break****

Karl-Schwarzschild Lecture by the awardee on "*Macro-
and Microscopic Views of Nearby Galaxies*"

Award of the Ludwig-Biermann-Förderpreis to

Dr. Stefanie Komossa Garching (Germany) and talk by the awardee

on "*X-ray Evidence for Supermassive Black Holes at the
Centers of Nearby, Non-active Galaxies*"

13.00

*** *Lunch hour* ***

14.00

Minisymposia

MS 1 (E51): X-Ray Astronomy from the Local Bubble
to AGN

MS 3 (E52): Particle (Neutrino/Cosmic Ray) and
Gamma-ray Astronomy

MS 6 (138): European Large Scale Facilities in Astronomy

MS 8 (139): Accretion Turbulence and MHD – Stability
and Instability in Astrophysical Flows

15.30 *** *Coffee break* ***

16.00 **Minisymposia/Joint Discussion**

MS 1 (E51): X-Ray Astronomy from the Local Bubble
to AGN

MS 3 (E52): Particle (Neutrino/Cosmic Ray) and
Gamma-ray Astronomy

MS 6 (138): European Large Scale Facilities in Astronomy

JD 3 (139): European Astronomy with Small Telescopes

17.30 *** *Break* ***

18.00 **Minisymposia/Joint Discussion**

MS 1 (E51): X-Ray Astronomy from the Local Bubble
to AGN

MS 3 (E52): Particle (Neutrino/Cosmic Ray) and
Gamma-ray Astronomy

MS 5 (138): Evolution of Galaxies – Observation and
Dynamics

JD 3 (139): European Astronomy with Small Telescopes

Tuesday, 11 September

09.00 **Review** (Audimax): Massimo TARENGHI, Garching (Germany)
VLT, VLTI and new Telescope Technology

10.00 **Highlight** (Audimax): Christina C. POPESCU, Pasadena (USA)
Modelling the Spectral Energy Distribution of Galaxies

10.30 *** *Coffee break* ***

11.00 **Review** (Audimax): Michel MAYOR, Geneva (Switzerland)
The Search for Extraterrestrial Planets

- 12.00 **Highlight** (Audimax): David ELBAZ, Gif-sur-Yvette (France)
*Nature of the Cosmic Infrared Background and Cosmic
Star Formation History: Are Galaxies Shy?*
- 12.30 **Highlight** (Audimax): Achim GANDORFER, Zürich (Switzerland)
Observations of Small Polarization Signals from the Sun
- 13:00 *** *Lunch hour* ***
- 14.00 **Minisymposia**
- MS 1 (E51): X-Ray Astronomy from the Local Bubble
to AGN
- MS 5 (E52): Evolution of Galaxies – Observation and
Dynamics
- MS 6 (138): European Large Scale Facilities in Astronomy
- MS 8 (139): Accretion Turbulence and MHD - Stability
and Instability in Astrophysical Flows
- 15.30 *** *Coffee break* ***
- 16.00 **Poster Session**
- 17.00 **75. Ordentliche Mitgliederversammlung der
Astronomischen Gesellschaft (Teil 1)**
(bis 19:00 Uhr, Raum 138)

Wednesday, 12 September

- 09.00 **Minisymposia/Joint Discussion**
- MS 4 (E51): Formation of Extrasolar Planets – Theory,
Observation, Lab Experiments
- MS 5 (E52): Evolution of Galaxies – Observation and
Dynamics
- MS 2 (138): Massive Stars, the ISM, and Chemical Evolution
- JD 1 (139): Astronomy with Robotic Telescopes:
Present and Future Projects
- 10.30 *** *Coffee break* ***

- 11.00 **Minisymposia/Joint Discussion**
MS 4 (E51): Formation of Extrasolar Planets – Theory,
Observation, Lab Experiments
MS 5 (E52): Evolution of Galaxies – Observation and
Dynamics
MS 2 (138): Massive Stars, the ISM, and Chemical Evolution
JD 1 (139): Astronomy with Robotic Telescopes:
Present and Future Projects

12:30 *** *Lunch hour* ***

13.30 **General Assembly of the European Astronomical
Society** (room E51)

15.30 **Excursion and conference dinner**

Thursday, 13 September

- 09.00 **Review** (Audimax): Steven BECKWITH, Baltimore, MD (USA)
Stars and Protoplanets, from HST to NGST
- 10.00 **Highlight** (Audimax): Michael HEGMANN, Frankfurt/Main (Germany)
Radiative Transfer in Turbulent Interstellar Clouds
- 10.30 *** *Coffee break* ***
- 11.00 **Review** (Audimax): Günther HASINGER, Potsdam (Germany)
The Universe seen from Chandra and XMM (Audimax)
- 12.00 **Highlight** (Audimax): Joao ALVES, Garching (Germany)
Seeing the light through the dark: the initial conditions to star formation
- 12.30 **Highlight** (Audimax): Roberto MAIOLINO, Florence (Italy)
Obscured AGNs
- 13:00 *** *Lunch hour* ***
- 14.00 **Minisymposia/Joint Discussions**
MS 4 (E51): Formation of Extrasolar Planets – Theory,
Observation, Lab Experiments

MS 7 (E52): Magnetic Activity in Stellar Evolution

MS 9 (138): Hot Subdwarfs and White Dwarfs and
Low-mass Stellar Evolution

JD 2 (139): Virtual Observatory

15.30 *** *Coffee break* ***

16.00 **Minisymposia/Joint Discussion**

MS 4 (E51): Formation of Extrasolar Planets – Theory,
Observation, Lab Experiments

MS 7 (E52): Magnetic Activity in Stellar Evolution

MS 9 (138): Hot Subdwarfs and White Dwarfs and
Low-mass Stellar Evolution

JD 2 (139): Virtual Observatory

17.00 **75. Ordentliche Mitgliederversammlung der
Astronomischen Gesellschaft (Teil 2)**
(bis 19:00 Uhr, Raum 138)

20.00 **Public talk by Michael Grewing** (Audimax)
“Vorstoß ins dunkle Weltall:
Astronomie auf der Suche nach den Anfängen”

Friday, 14 September

09.00 **Review** (Audimax): Douglas O. RICHSTONE, Ann Arbor, MI (USA)
Black Holes in Galaxies and Nuclei

10.00 **Highlight** (Audimax): Silke BRITZEN, Heidelberg (Germany)
*Cosmological Evolution of AGN - A Radioastronomer's
View*

10.30 *** *Coffee break* ***

11.00 **Review** (Audimax): Karsten DANZMANN, Hannover (Germany)
Gravitational Wave Astronomy with GEO and LISA

12.00 **Highlight** (Audimax): Daniel THOMAS, Munich (Germany)

12.30 **Closing Session**

13:00 *** *Lunch hour* ***

14.00 **Minisymposia/Special Colloquium**

MS 10 (E51): Large Telescopes for Solar Physics

MS 9 (E52): Hot Subdwarfs and White Dwarfs and
Low-mass Stellar Evolution

MS 7 (138): Magnetic Activity in Stellar Evolution

SC (139): Special Colloquium on the History of Astronomy:
European Astronomy in the 20th Century

15.30 *** *Coffee break* ***

16.00 **Minisymposia/Joint Discussions/Special Colloquium**

MS 10 (E51): Large Telescopes for Solar Physics

MS 9 (E52): Hot Subdwarfs and White Dwarfs and
Low-mass Stellar Evolution

JD 4 (E05): World Space Observatory (Ultraviolet) WSO/UV:
The missing link in Astronomers' toolkit

JD 5 (E06): Gravitational Physics (EAS/EPS Section Meeting)

SC (139): Special Colloquium on the History of Astronomy:
European Astronomy in the 20th Century

Saturday, 15 September

09.00 **Special Colloquium/Joint Discussions**

SC (E51): Special Colloquium on the History of Astronomy:
European Astronomy in the 20th Century

JD 4 (E05): World Space Observatory (Ultraviolet) WSO/UV:
The missing link in Astronomers' toolkit

JD 5 (E06): Gravitational Physics (EAS/EPS Section Meeting)

- 10.30 *** *Coffee break* ***
- 11.00 **Special Colloquium/Joint Discussions**
- SC (E51): Special Colloquium on the History of Astronomy:
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- JD 4 (E05): World Space Observatory (Ultraviolet) WSO/UV:
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Saturday, 15 September

Lehrerfortbildung

Ludwig-Maximilians-Universität München
Theresienstraße

Leitung: Dr. W. Schirmacher,
TU Muenchen, Physik-Department E13, Garching

- 9.00 Prof. Dr. V. Schönfelder
MPI für extraterrestrische Physik, Garching:
"Gamma-Astronomie"
- 10.00 Prof. Dr. J. Trümper
MPI für extraterrestrische Physik, Garching:
"Röntgenastronomie mit Chandra und XMM-Newton"
- 11.00 *****Pause*****
- 11.30 Dr. H. Ritter
Max-Planck-Institut für Astrophysik, Garching:
"Millisekunden-Pulsare"
- 12.30 Dr. L.L. Christensen
Europäische Südsternwarte, Garching:
"Raumbasierte Astronomie mit Hubble und NGST"

Reviews in Modern Astronomy 15

Astronomy with Large Telescopes from Ground and Space

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The yearbook series REVIEWS IN MODERN ASTRONOMY of the Astronomische Gesellschaft (AG) was established in 1988 in order to bring the scientific events of the meetings of the society to the attention of the worldwide astronomical community. REVIEWS IN MODERN ASTRONOMY is devoted exclusively to the invited Reviews, the Karl Schwarzschild Lectures, the Ludwig Biermann Award Lectures, and the Highlight contributions from leading scientists reporting on recent progress and scientific achievements at their respective research institutes.

Volume 15 continues the yearbook series with 16 contributions which were presented during JENAM2001 – the Joint European and National Astronomical Meeting of the AG and the EAS on “Astronomy with Large Telescopes from Ground and Space” at Munich, Germany, from September 10 to 15, 2001.

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By Keiichi Kodaira (Karl Schwarzschild Lecture)

X-RAY EVIDENCE FOR SUPERMASSIVE BLACK HOLES AT THE CENTERS OF NEARBY, NON-ACTIVE GALAXIES

By Stefanie Komossa (Ludwig Biermann Award Lecture)

THE SEARCH FOR EXTRATERRESTRIAL PLANETS

By Michel Mayor

STARS AND PROTOPLANETS, FROM HST TO NGST

By Steve Beckwith

BLACK HOLES IN GALAXIES AND NUCLEI

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By Roberto Maiolino

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