

Thursday, 06 August 2009

re:  
IAU HIGHLIGHTS OF ASTRONOMY, Volume 15, of the  
XXVIIth IAU GENERAL ASSEMBLY, RIO de JANEIRO, Brazil  
Editor-in-Chief: Ian F Corbett, IAU General Secretary

To the AUTHORS of scientific papers to be presented at the  
JOINT DISCUSSIONS or the SPECIAL SESSIONS of GA-2009

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GUIDELINES AND CUP STYLE FILE FOR THE AUTHORS  
OF PAPERS TO BE PRESENTED AT IAU GA-2009  
IN JOINT DISCUSSIONS AND SPECIAL SESSIONS

homepage and updates will be available on the IAU web site at  
<[http://www.iau.org/static/scientific\\_meetings/authors\\_proceedings/](http://www.iau.org/static/scientific_meetings/authors_proceedings/)>.

Dear AUTHOR,

Welcome to the AUTHOR's directory for your manuscript(s), to  
be published in the Highlights of Astronomy Volume 15, i.e.,  
the Proceedings of the Invited Discourses, Joint Discussions  
and Special Sessions to be presented and held at the  
XXVIIth IAU General Assembly, Rio de Janeiro, August 2009.  
The URL of GA-2009 is < <http://www.astronomy2009.com.br/> > .  
Those Proceedings will be published as:

HIGHLIGHTS OF ASTRONOMY, Volume 15  
Editor-in-Chief: Ian F Corbett  
Publisher: Cambridge University Press (CUP, UK)

in a concerted effort with the 16 Chief Editors of the GA-2009 Joint Discussions and 9 Chief Editors of  
the GA-2009 Special Sessions.  
Together those Chief Editors constitute the HIGHLIGHTS OF  
ASTRONOMY EDITORIAL BOARD, as listed in <JDSS-EB2009.pdf>.

The name and contact details of the CHIEF EDITOR of your particular Joint Discussion or Special  
Session is to be found at the end of this README.txt file.

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A. THE IAU PUBLISHER

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The official IAU publisher is Cambridge University Press (CUP).  
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- IAU SYMPOSIA  
- IAU HIGHLIGHTS OF ASTRONOMY  
- TRANSACTIONS OF THE IAU  
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B. IAU-CUP POLICY / DEADLINE FOR SUBMITTING YOUR PAPER

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In the contract between the IAU and CUP, it is stipulated that the Proceedings of IAU meetings will be published within six months after the event. Since CUP needs three months for its processing of a complete Proceedings manuscript, the EDITORS and the GENERAL SECRETARY have the first three months after the Joint Discussions and Special Sessions to complete their editing task. This requires that all AUTHORS have to deliver their completed manuscript(s) to the CHIEF EDITOR of the relevant Joint Discussion and Special Session, before or during GA-2009. **Authors who wish to make revisions can submit a revised version of their manuscript to their CHIEF EDITOR no later than end September 2009, unless an earlier date is demanded by the CHIEF EDITOR.**

**IN SHORT: THE DEADLINE FOR SUBMITTING YOUR PAPER TO THE CHIEF EDITOR OF YOUR JD OR SpS IS: no later than END SEPTEMBER 2009.**

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C. CONTENTS OF IAU HIGHLIGHTS OF ASTRONOMY, Volume 15

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Preface  
Ian F Corbett

I. INVITED DISCOURSES

I.1. The Legacies of Galileo  
Franco Pacini

I.2. Water on Planets  
James Bell III

I.3. Evolution of Structure in the Universe  
Simon D. M. White

I.4. Do Low-Luminosity Stars Matter?  
Maria Teresa Ruiz

II. JOINT DISCUSSIONS and SPECIAL SESSIONS

These follow the listing in

<http://www.astronomy2009.com.br/scientific.html>

SUBJECT INDEX  
OBJECT INDEX  
AUTHOR INDEX

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D. BULK PRICE  
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The bulk price of the Highlights of Astronomy Volume 15 for GA-2009 participants is 48 pounds sterling (GBP) per volume, covering hard copy (including shipment) and access to the on-line version. To qualify for this price, the volume has to be ordered and pre-paid at Registration via the special CUP form.

On-line access from CUP is for 18 months, after which the contents of Highlights of Astronomy Volume 15 will be transferred to the ADS.

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E. PREPARING YOUR MANUSCRIPT: AUTHORS'S STYLE FILE  
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This directory provides  
- the style file <iauJDSS.cls>, and  
- a sample files <3-sample.tex> to create for your manuscript.

Updates will be made available as necessary.

It is not allowed to change font sizes and layout. The IAU wishes to have a fixed appearance of its Proceedings. For figures, authors are free to include their preferred packages (e.g., .epsf).

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F. PAGE ALLOCATION PER PAPER  
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For the maximum number of pages of your manuscript, please contact the CHIEF EDITOR of your Joint Discussion or Special Session.

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G. FIGURES  
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The package "graphics" does allow for figure re-scaling, but authors may find it easier to replace `\usepackage{graphics}` with `\usepackage{graphicx}`.

Re-scaling in "graphics" can be done:  
The trick is to use `\scalebox{scale_frac}{put_figure_here}`, e.g.  
`\centerline{`  
`\scalebox{0.8}{%`  
`\includegraphics{my_fig.eps}%`  
`}`  
`}`

which shrinks `my_fig.eps` to 0.8 of its size, and centre it.  
This is instead of the expected, more normal, `scalebox` usage of `\scalebox{x_frac}{y_frac}{put_fig_here}`, which does not

work.

Another possibility to scale the figures, while using

```
\usepackage{graphics}, is:
\begin{figure}
\centering
\resizebox{6.5cm}{!}{\includegraphics{figure1.eps} }
\resizebox{6.5cm}{!}{\includegraphics{figure2.eps} }
\caption[]{}{Figure caption.}
\end{figure}
```

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## H. COLOUR FIGURES and PHOTOGRAPHS

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There will be no charge for colour figures embedded in the LaTeX files of papers. Colour figures will be reproduced in colour in the electronic version of the Proceedings. However, to reproduce colour figures in colour in the printed version of the Highlights is an expensive process and CUP will charge the authors 500.- pounds sterling (GBP) per colour page. If authors are not prepared to pay for this, their colour figures will be printed in black-and-white in the printed version of the Proceedings. Therefore, in case of colour figures with half-tones, authors should make sure that their figures will reproduce as desired in black-and-white, and there is no reference to colour in either text or captions.

Unless directly related to the subject matter of the contribution concerned, only a very limited number of photographs can be included in the Proceedings at the discretion of the Editors. Purely 'social' photographs are discouraged. About 4 or 5 photographs showing participants and/or speakers would be appropriate, and the acceptable maximum is 10 pages of black and white photographs, above which a charge of 200 GBP per page may be made. If the number of pages in the Proceedings exceeds 600 (see section G above) this charge will be levied. Colour photographs are subject to the same restrictions as colour figures.

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## I. REFERENCES /JOURNAL ABBREVIATIONS AND STYLE

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Refer to as:	Journal:
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<code>\textit{AJ}</code>	Astronomical Journal
<code>\textit{ARAA}</code>	Annual Review of Astronomy & Astrophysics
<code>\textit{ApJ}</code>	Astrophysical Journal
<code>\textit{ApJS}</code>	Astrophysical Journal Supplement Series
<code>\textit{Applied Optics}</code>	Applied Optics
<code>\textit{Ap&amp;SS}</code>	Astrophysics and Space Science
<code>\textit{A&amp;A}</code>	Astronomy & Astrophysics
<code>\textit{A&amp;AR}</code>	The Astronomy and Astrophysics Review
<code>\textit{A&amp;AS}</code>	Astronomy and Astrophysics Supplement Series
<code>\textit{AcA}</code>	Acta Astronomica
<code>\textit{Adv. Sp. Res.}</code>	Advances in Space Research
<code>\textit{AIP-CP}</code>	American Institute of Physics Conf. Proc.
<code>\textit{ASP-CS}</code>	Astronomical Soc. of the Pacific Conf. Series.
<code>\textit{Astron. Lett.}</code>	Astronomy Letters
<code>\textit{Astron. Rep.}</code>	Astronomy Reports
<code>\textit{Ap. Lett.}</code>	Astrophysical Letters

<code>\textit{AZh}</code>	Astronomicheskii Zhurnal
<code>\textit{BAAS}</code>	Bulletin of the AAS
<code>\textit{JA&amp;A}</code>	Journal of Astrophysics & Astronomy
<code>\textit{JRASC}</code>	Journal of the RAS of Canada
<code>\textit{MemRAS}</code>	Memoirs of the RAS
<code>\textit{MNRAS}</code>	Monthly Notices of the RAS
<code>\textit{MemSAI}</code>	Memorie della Societa Astronomica Italiana
<code>\textit{Nature}</code>	Nature
<code>\textit{New Astron.}</code>	New Astronomy
<code>\textit{New Astron. Revs}</code>	New Astronomy Reviews
<code>\textit{Observatory}</code>	The Observatory
<code>\textit{Phys. Rev. A}</code>	Physical Review A.: General Physics
<code>\textit{Phys. Rev. Lett.}</code>	Physical Review Letters
<code>\textit{PASA}</code>	Publications of the Astron. Soc. Australia
<code>\textit{PASP}</code>	Publications of the Astron. Soc. Pacific
<code>\textit{PASJ}</code>	Publications of the Astron. Soc. Japan
<code>\textit{PAZ}</code>	Pis'ma Astronomicheskii Zhurnal
<code>\textit{QJRAS}</code>	Quarterly Journal of the RAS
<code>\textit{Rev. Mexicana AyA}</code>	Revista Mexicana de Astronomia y Astrofisica
<code>\textit{Science}</code>	Science
<code>\textit{Solar Phys.}</code>	Solar Physics
<code>\textit{S&amp;T}</code>	Sky and Telescope
<code>\textit{Soviet Astron.}</code>	Soviet Astronomy
<code>\textit{Space Sci. Revs}</code>	Space Science Reviews
<code>\textit{Vistas in Astron.}</code>	Vistas in Astronomy
<code>\textit{ZfA}</code>	Zeitschrift für Astrophysik

Example journal paper:

```
\bibitem[Krabbe, Genzel, Eckart, \etal\ (1995)]{Krabbe95}
  {Krabbe, A., Genzel, R., Eckart, A., Najarro, F., Lutz, D., Cameron, M.,
  Kroker, H., Tacconi-Garman, L. E., Thatte, N., Weitzel, L., Drapatz, S.,
  Geballe, T., Sternberg, A., Kudritzki, R.-P.} 1995,
  \textit{ApJ} (Letters) 447, L95
```

Example conference paper:

```
\bibitem[Herrero (2003)]{Herrero03}
  {Herrero, A.} 2003,
  in: K.A. van der Hucht, A. Herrero & C. Esteban (eds.),
  \textit{A Massive Star Odyssey, from Main Sequence to Supernova},
  Proc. IAU Symposium No. 212 (San Francisco: ASP), p. 1
```

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J. IAU COPYRIGHT FORM  
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All Authors are requested to download the IAU Copyright Form from this directory. They should complete it, and either scan and email it, or deliver it together with their manuscripts, before or during the GA-2009, to the CHIEF EDITOR of their Joint Discussion or Special Session.

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K. SUBMITTING OF MANUSCRIPTS  
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L. EDITORS GA-2009 JOINT DISCUSSIONS AND SPECIAL SESSIONS  
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Editor-in-Chief HIGHLIGHTS OF ASTRONOMY, Volume 15:

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**INVITED DISCOURSES**  
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INVITED DISCOURSE 1

The Legacies of Galileo  
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INVITED DISCOURSE 2

Water on Planets  
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INVITED DISCOURSE 3  
Evolution of Structure in the Universe  
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INVITED DISCOURSE 4  
Do Low-Luminosity Stars Matter?  
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Universidad de Chile  
Santiago de Chile, Chile

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<mtruiz@das.uchile.cl>

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**JOINT DISCUSSIONS**  
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JD 01  
Dark Matter in Early-Type Galaxies

Editors: Leon V. E. Koopmans and Tommaso Treu

<koopmans@astro.rug.nl>

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JD 02  
Diffuse Light in Galaxy Clusters

Editors: Magda Arnabaldi and Ortwin Gerhard

<marnabaldi@eso.org>

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JD 03  
Neutron Stars – Timing in Extreme Environments

Editors: Tomaso Belloni, Mariano Méndez and Chengmin Zhang

<tomaso.belloni@brera.inaf.it>

JD 04

Progress in Understanding the Physics of Ap and Related Stars

Editors: Margarida Cunha, Michael Dworetsky and Barry Smalley

<mcunha@astro.up.pt>

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JD 05

Modelling the Milky Way in the Era of Gaia

Editor: James Binney

<binney@thphys.ox.ac.uk>

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JD 06

Time and Astronomy

Editors: Pascale Defraigne and Aleksander Brzezinski

<p.defraigne@oma.be>

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JD 07

Astrophysical Outflows and Associated Accretion Phenomena

Editors: Elisabete M. De Gouveia Dal Pino and Alejandro Raga

<dalpino@astro.iag.usp.br>

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JD 08

Hot Interstellar Matter in Elliptical Galaxies

Editors: Dong-Woo Kim and Silvia Pellegrini

<kim@cfa.harvard.edu>

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JD 09

Are the Fundamental Constants Varying with Time

Editors: Paolo Molaro and Elisabeth Vangioni-Flam

<molaro@ts.inaf.it>

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JD 10

3D Views on Cool Stellar Atmospheres – Theory meets Observation

Editors: Hans-G. Ludwig, Piercarlo Bonifacio and K. N. Nagendra

<hans.ludwig@obspm.fr>

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JD 11

New Advances in Helio- and Astero-Seismology

Editors: Junwei Zhao, Hiromoto Shibahashi, and Guenther Houdek

<junwei@sun.stanford.edu>

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JD 12

The First Galaxies – Theoretical Predictions and Observational Clues

Editors: Tommy Wiklind, Volker Bromm, and Bahram Mobasher

<wiklind@stsci.edu>

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JD 13

Eta Carinae in the Context of the Most Massive Stars

Editors: Augusto Daminieli, Theodore Gull, and Krister Nielsen

<damineli@astro.iag.usp.br>

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JD 14

FIR2009: the ISM of Galaxies in the Far-Infrared and Sub-Millimetre

Editors: Mari Cunningham, Carsten Kramer, and Vincent Minier

<maria.cunningham@unsw.edu.au>

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JD 15

Magnetic Fields in Diffuse Media

Editors: Elisabete M. De Gouveia Dal Pino and Alex Lazarian

<dalpino@astro.iag.usp.br>

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JD 16

IHY Global Campaign – Whole Heliosphere Interval

Editors: Sarah Gibson and David Webb

<sgibson@ucar.edu>

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SPECIAL SESSIONS

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SpS 1

IR and Sub-mm Spectroscopy – a New Tool for Studying Stellar Evolution

Editors: Glenn Wahlgren, Hans Ulrich Käufel, and Florian Kerber

<glen.m.wahlgren@nasa.gov>

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SpS 2

The International Year of Astronomy

Editors: Catherine Cesarsky, Lars Lindberg Christensen, and Pedro Russo

<catherine.cesarsky@cea.fr>

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SpS 3

Astronomy in Antarctica

Editor: Michael Burton

<m.burton@unsw.edu.au>

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SpS 4

Astronomy Education between Past and Future

Editors: Rajesh Kochhar, Jean-Pierre de Greve, Magda Stavinschi, and Edward Guinan

<rkochhar2000@yahoo.com>, <jpdegreve@vub.ac.be>

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SpS 5

Accelerating the Rate of Astronomical Discovery

Editors: Raymond Norris and Clive Ruggles

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SpS 6  
Planetary Systems as Potential Sites for Life

Editors: Régis Courtin, Alan Boss, and Michel Mayor

<regis.courtin@obspm.fr>

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SpS 7  
Young Stars, brown Dwarfs, and Protoplanetary Disks

Editors: Jane Gregório-Hetem and Silvia Alencar

jane@astro.iag.usp.br

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SpS 8  
The Galactic Plane – in Depth and Across the Spectrum

Editors: Janet Drew and Melvin Hoare

mgh@ast.leeds.ac.uk

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SpS 9

Marking the 400<sup>th</sup> Anniversary of Kepler's "Astronomia Nova"

Editor: Terence Mahoney

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In case of questions, please approach the Chief Editor of the Proceedings of your Joint Discussion or Special Session. Files and information will be updated regularly so please look at the web site of the GA and of your Joint Discussion or Special Session from time to time before the GA. Finally, could I once again remind you of the importance of adhering to the Highlights deadlines:

*All AUTHORS are requested to submit their manuscript(s), in electronic form (all LaTeX files, figure files) with a paper copy, before or during the GA-2009, to the CHIEF EDITOR of their Joint Discussion or Special Session. The deadline for corrected final manuscripts is end September 2009 unless the CHIEF EDITOR demands otherwise.*

On behalf of all the editors and organisers of the JD and SpS at GA2009, may I wish you a very successful and enjoyable meeting.

Ian F Corbett <icorbett@eso.org>  
Editor-in-Chief, Highlights of Astronomy, Volume 15