

# THE FOLLOWING IS A LISTING OF THE VOLUMES

Published  
by



ASTRONOMICAL SOCIETY OF THE PACIFIC  
(ASP)

**An international, nonprofit, scientific and educational organization  
founded in 1889**

All book orders or inquiries concerning

INTERNATIONAL ASTRONOMICAL UNION VOLUMES  
(IAU)

and

ASTRONOMICAL SOCIETY OF THE PACIFIC  
CONFERENCE SERIES  
(ASP - CS)

should be directed to the:

**Astronomical Society of the Pacific Conference Series**  
**390 Ashton Avenue**  
**San Francisco CA 94112-1722 USA**

**Phone: 800-335-2624 (within USA)**  
**Phone: 415-337-2126**  
**Fax: 415-337-5205**

**E-mail: [service@astrosociety.org](mailto:service@astrosociety.org)**  
**Web Site: <http://www.astrosociety.org>**

Complete lists of proceedings of past IAU meetings are maintained at the  
IAU Web site at the URL: <http://www.iau.org/publicat.html>

Volumes 32 - 189 in the IAU Symposia Series may be ordered from:

Kluwer Academic Publishers  
P. O. Box 117  
NL 3300 AA Dordrecht  
The Netherlands

[Kluwer@wKap.com](mailto:Kluwer@wKap.com)

# INTERNATIONAL ASTRONOMICAL UNION (IAU) VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 1999 (\* asterisk means OUT OF STOCK)**

- Vol. No. 190      NEW VIEWS OF THE MAGELLANIC CLOUDS  
eds. You-Hua Chu, Nicholas B. Suntzeff, James E. Hesser, and  
David A. Bohlender  
ISBN: 1-58381-021-8
- Vol. No. 191      ASYMPTOTIC GIANT BRANCH STARS  
eds. T. Le Bertre, A. Lèbre, and C. Waelkens  
ISBN: 1-886733-90-2
- Vol. No. 192      THE STELLAR CONTENT OF LOCAL GROUP GALAXIES  
eds. Patricia Whitelock and Russell Cannon  
ISBN: 1-886733-82-1
- Vol. No. 193      WOLF-RAYET PHENOMENA IN MASSIVE STARS AND STARBURST  
GALAXIES  
eds. Karel A. van der Hucht, Gloria Koenigsberger, and Philippe R. J. Eenens  
ISBN: 1-58381-004-8
- Vol. No. 194      ACTIVE GALACTIC NUCLEI AND RELATED PHENOMENA  
eds. Yervant Terzian, Daniel Weedman, and Edward Khachikian  
ISBN: 1-58381-008-0

## **PUBLISHED: 2000**

- Vol. XXIVA      TRANSACTIONS OF THE INTERNATIONAL ASTRONOMICAL UNION  
REPORTS ON ASTRONOMY 1996-1999  
ed. Johannes Andersen  
ISBN: 1-58381-035-8
- Vol. No. 195      HIGHLY ENERGETIC PHYSICAL PROCESSES AND MECHANISMS FOR  
EMISSION FROM ASTROPHYSICAL PLASMAS  
eds. P. C. H. Martens, S. Tsuruta, and M. A. Weber  
ISBN: 1-58381-038-2
- Vol. No. 197 \*    ASTROCHEMISTRY: FROM MOLECULAR CLOUDS TO PLANETARY  
SYSTEMS  
eds. Y. C. Minh and E. F. van Dishoeck  
ISBN: 1-58381-034-X
- Vol. No. 198      THE LIGHT ELEMENTS AND THEIR EVOLUTION  
eds. L. da Silva, M. Spite, and J. R. de Medeiros  
ISBN: 1-58381-048-X

## **PUBLISHED: 2001**

- IAU SPS          ASTRONOMY FOR DEVELOPING COUNTRIES  
Special Session of the XXIV General Assembly of the IAU  
ed. Alan H. Batten  
ISBN: 1-58381-067-6
- Vol. No. 196      PRESERVING THE ASTRONOMICAL SKY  
eds. R. J. Cohen and W. T. Sullivan, III  
ISBN: 1-58381-078-1
- Vol. No. 200 \*    THE FORMATION OF BINARY STARS  
eds. Hans Zinnecker and Robert D. Mathieu  
ISBN: 1-58381-068-4

# INTERNATIONAL ASTRONOMICAL UNION (IAU) VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 2001 (\* asterisk means OUT OF STOCK)**

- Vol. No. 203 RECENT INSIGHTS INTO THE PHYSICS OF THE SUN AND HELIOSPHERE:  
HIGHLIGHTS FROM SOHO AND OTHER SPACE MISSIONS  
eds. Pål Brekke, Bernhard Fleck, and Joseph B. Gurman  
ISBN: 1-58381-069-2
- Vol. No. 204 THE EXTRAGALACTIC INFRARED BACKGROUND AND ITS COSMOLOGICAL  
IMPLICATIONS  
eds. Martin Harwit and Michael G. Hauser  
ISBN: 1-58381-062-5
- Vol. No. 205 GALAXIES AND THEIR CONSTITUENTS AT THE HIGHEST ANGULAR  
RESOLUTIONS  
eds. Richard T. Schilizzi, Stuart N. Vogel, Francesco Paresce, and  
Martin S. Elvis  
ISBN: 1-58381-066-8
- Vol. XXIVB TRANSACTIONS OF THE INTERNATIONAL ASTRONOMICAL UNION  
REPORTS ON ASTRONOMY  
ed. Hans Rickman  
ISBN: 1-58381-087-0

## **PUBLISHED: 2002**

- Vol. No. 12 HIGHLIGHTS OF ASTRONOMY  
ed. Hans Rickman  
ISBN: 1-58381-086-2
- Vol. No. 199 THE UNIVERSE AT LOW RADIO FREQUENCIES  
eds. A. Pramesh Rao, G. Swarup, and Gopal-Krishna  
ISBN: 58381-121-4
- Vol. No. 206 COSMIC MASERS: FROM PROTOSTARS TO BLACKHOLES  
eds. Victor Migens and Mark J. Reid  
ISBN: 1-58381-112-5
- Vol. No. 207 EXTRAGALACTIC STAR CLUSTERS  
eds. Doug Geisler, Eva K. Grebel, and Dante Minniti  
ISBN: 1-58381-115-X

## **PUBLISHED: 2003**

- Vol. XXVA TRANSACTIONS OF THE INTERNATIONAL ASTRONOMICAL UNION  
REPORTS ON ASTRONOMY 1999-2002  
ed. Hans Rickman  
ISBN: 1-58381-137-0
- Vol. No. 208 ASTROPHYSICAL SUPERCOMPUTING USING PARTICLE SIMULATIONS  
eds. Junichiro Makino and Piet Hut  
ISBN: 1-58381-139-7
- Vol. No. 209 PLANETARY NEBULAE: THEIR EVOLUTION AND ROLE IN THE UNIVERSE  
eds. Sun Kwok, Michael Dopita and Ralph Sutherland  
ISBN: 1-58381-148-6
- Vol. No. 210 MODELLING OF STELLAR ATMOSPHERES  
eds. N. Piskunov, W. W. Weiss and D. F. Gray  
ISBN: 1-58381-160-5

# INTERNATIONAL ASTRONOMICAL UNION (IAU) VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 2003 (\* asterisk means OUT OF STOCK)**

- Vol. No. 211      BROWN DWARFS  
ed. Eduardo Martín  
ISBN: 1-58381-132-X
- Vol. No. 212      A MASSIVE STAR ODYSSEY: FROM MAIN SEQUENCE TO SUPERNOVA  
eds. Karel A. van der Hucht, Artemio Herrero and César Esteban  
ISBN: 1-58381-133-8
- Vol. No. 214      HIGH ENERGY PROCESSES AND PHENOMENA IN ASTROPHYSICS  
eds. X. D. Li, V. Trimble and Z. R. Wang  
ISBN: 1-58381-157-5

## **PUBLISHED: 2004**

- Vol. No. 202      PLANETARY SYSTEMS IN THE UNIVERSE: OBSERVATION, FORMATION  
AND EVOLUTION  
eds. Alan Penny, Pawel Artymowicz, Anne-Marie LaGrange and Sara Russell  
ISBN: 1-58381-176-1
- Vol. No. 213      BIOASTRONOMY 2002: LIFE AMONG THE STARS  
eds. Ray P. Norris and Frank H. Stootman  
ISBN: 1-58381-171-0
- Vol. No. 217      RECYCLING INTERGALACTIC AND INTERSTELLAR MATTER  
eds. Pierre-Alain Duc, Jonathan Braine and Elias Brinks  
ISBN: 1-58381-166-4
- Vol. No. 218      YOUNG NEUTRON STARS AND THEIR ENVIRONMENTS  
eds. Fernando Camilo and Bryan M. Gaensler  
ISBN: 1-58381-178-8
- Vol. No. 219      STARS AS SUNS: ACTIVITY, EVOLUTION AND PLANETS  
eds. A. K. Dupree and A. O. Benz  
ISBN: 1-58381-163-X
- Vol. No. 220      DARK MATTER IN GALAXIES  
eds. S. D. Ryder, D. J. Pisano, M. A. Walker and K. C. Freeman  
ISBN: 1-58381-167-2
- Vol. No. 221      STAR FORMATION AT HIGH ANGULAR RESOLUTION  
eds. Michael Burton, Ray Jayawardhana and Tyler Bourke  
ISBN: 1-58381-161-3

Published ASP Conference Series Volumes follows this page

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

---

## **PUBLISHED: 1988 (\* asterisk means OUT OF PRINT)**

- Vol. CS -1      PROGRESS AND OPPORTUNITIES IN SOUTHERN HEMISPHERE  
OPTICAL ASTRONOMY: CTIO 25<sup>TH</sup> Anniversary Symposium  
eds. V. M. Blanco and M. M. Phillips  
ISBN 0-937707-18-X
- Vol. CS-2      PROCEEDINGS OF A WORKSHOP ON OPTICAL SURVEYS FOR QUASARS  
eds. Patrick S. Osmer, Alain C. Porter, Richard F. Green, and Craig B. Foltz  
ISBN 0-937707-19-8
- Vol. CS-3      FIBER OPTICS IN ASTRONOMY  
ed. Samuel C. Barden  
ISBN 0-937707-20-1
- Vol. CS-4      THE EXTRAGALACTIC DISTANCE SCALE:  
Proceedings of the ASP 100<sup>th</sup> Anniversary Symposium  
eds. Sidney van den Bergh and Christopher J. Pritchett  
ISBN 0-937707-21-X
- Vol. CS-5      THE MINNESOTA LECTURES ON CLUSTERS OF GALAXIES AND LARGE-  
SCALE STRUCTURE  
ed. John M. Dickey  
ISBN 0-937707-22-8

## **PUBLISHED: 1989**

- Vol. CS-6 \*      SYNTHESIS IMAGING IN RADIO ASTRONOMY: A Collection of Lectures  
from the Third NRAO Synthesis Imaging Summer School  
eds. Richard A. Perley, Frederic R. Schwab, and Alan H. Bridle  
ISBN 0-937707-23-6

## **PUBLISHED: 1990**

- Vol. CS-7      PROPERTIES OF HOT LUMINOUS STARS: Boulder-Munich Workshop  
ed. Catharine D. Garmany  
ISBN 0-937707-24-4
- Vol. CS-8 \*      CCDs IN ASTRONOMY  
ed. George H. Jacoby  
ISBN 0-937707-25-2
- Vol. CS-9      COOL STARS, STELLAR SYSTEMS, AND THE SUN:  
Sixth Cambridge Workshop  
ed. George Wallerstein  
ISBN 0-937707-27-9
- Vol. CS-10      EVOLUTION OF THE UNIVERSE OF GALAXIES:  
Edwin Hubble Centennial Symposium  
ed. Richard G. Kron  
ISBN 0-937707-28-7
- Vol. CS-11      CONFRONTATION BETWEEN STELLAR PULSATION AND EVOLUTION  
eds. Carla Cacciari and Gisella Clementini  
ISBN 0-937707-30-9

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1991 (\* asterisk means OUT OF PRINT)**

- Vol. CS-12 THE EVOLUTION OF THE INTERSTELLAR MEDIUM  
ed. Leo Blitz  
ISBN 0-937707-31-7
- Vol. CS-13 THE FORMATION AND EVOLUTION OF STAR CLUSTERS  
ed. Kenneth Janes  
ISBN 0-937707-32-5
- Vol. CS-14 ASTROPHYSICS WITH INFRARED ARRAYS  
ed. Richard Elston  
ISBN 0-937707-33-3
- Vol. CS-15 LARGE-SCALE STRUCTURES AND PECULIAR MOTIONS IN THE UNIVERSE  
eds. David W. Latham and L. A. Nicolaci da Costa  
ISBN 0-937707-34-1
- Vol. CS-16 Proceedings of the 3<sup>rd</sup> Haystack Observatory Conference on ATOMS, IONS,  
AND MOLECULES: NEW RESULTS IN SPECTRAL LINE ASTROPHYSICS  
eds. Aubrey D. Haschick and Paul T. P. Ho  
ISBN 0-937707-35-X
- Vol. CS-17 LIGHT POLLUTION, RADIO INTERFERENCE, AND SPACE DEBRIS  
ed. David L. Crawford  
ISBN 0-937707-36-8
- Vol. CS-18 THE INTERPRETATION OF MODERN SYNTHESIS OBSERVATIONS OF  
SPIRAL GALAXIES  
eds. Nebojsa Duric and Patrick C. Crane  
ISBN 0-937707-37-6
- Vol. CS-19 RADIO INTERFEROMETRY: THEORY, TECHNIQUES, AND APPLICATIONS,  
IAU Colloquium 131  
eds. T. J. Cornwell and R. A. Perley  
ISBN 0-937707-38-4
- Vol. CS-20 FRONTIERS OF STELLAR EVOLUTION:  
50<sup>th</sup> Anniversary McDonald Observatory (1939-1989)  
ed. David L. Lambert  
ISBN 0-937707-39-2
- Vol. CS-21 THE SPACE DISTRIBUTION OF QUASARS  
ed. David Crampton  
ISBN 0-937707-40-6

### **PUBLISHED: 1992**

- Vol. CS-22 NONISOTROPIC AND VARIABLE OUTFLOWS FROM STARS  
eds. Laurent Drissen, Claus Leitherer, and Antonella Nota  
ISBN 0-937707-41-4
- Vol CS-23 \* ASTRONOMICAL CCD OBSERVING AND REDUCTION TECHNIQUES  
ed. Steve B. Howell  
ISBN 0-937707-42-4
- Vol. CS-24 COSMOLOGY AND LARGE-SCALE STRUCTURE IN THE UNIVERSE  
ed. Reinaldo R. de Carvalho  
ISBN 0-937707-43-0
- Vol. CS-25 ASTRONOMICAL DATA ANALYSIS, SOFTWARE AND SYSTEMS (ADASS) I  
eds. Diana M. Worrall, Chris Biemesderfer, and Jeannette Barnes  
ISBN 0-937707-44-9

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1992 (asterisk means OUT OF PRINT)**

- Vol. CS-26 COOL STARS, STELLAR SYSTEMS, AND THE SUN:  
Seventh Cambridge Workshop  
eds. Mark S. Giampapa and Jay A. Bookbinder  
ISBN 0-937707-45-7
- Vol. CS-27 THE SOLAR CYCLE: Proceedings of the National Solar  
Observatory/Sacramento Peak 12<sup>th</sup> Summer Workshop  
ed. Karen L. Harvey  
ISBN 0-937707-46-5
- Vol. CS-28 AUTOMATED TELESCOPES FOR PHOTOMETRY AND IMAGING  
eds. Saul J. Adelman, Robert J. Dukes, Jr., and Carol J. Adelman  
ISBN 0-937707-47-3
- Vol. CS-29 Viña del Mar Workshop on CATAclysmic VARIABLE STARS  
ed. Nikolaus Vogt  
ISBN 0-937707-48-1
- Vol. CS-30 VARIABLE STARS AND GALAXIES  
ed. Brian Warner  
ISBN 0-937707-49-X
- Vol. CS-31 RELATIONSHIPS BETWEEN ACTIVE GALACTIC NUCLEI AND STARBURST  
GALAXIES  
ed. Alexei V. Filippenko  
ISBN 0-937707-50-3
- Vol. CS-32 COMPLEMENTARY APPROACHES TO DOUBLE AND MULTIPLE STAR  
RESEARCH, IAU Colloquium 135  
eds. Harold A. McAlister and William I. Hartkopf  
ISBN 0-937707-51-1
- Vol. CS-33 RESEARCH AMATEUR ASTRONOMY  
ed. Stephen J. Edberg  
ISBN 0-937707-52-X
- Vol. CS-34 ROBOTIC TELESCOPES IN THE 1990's  
ed. Alexei V. Filippenko  
ISBN 0-937707-53-8

### **PUBLISHED: 1993**

- Vol. CS-35 \* MASSIVE STARS: THEIR LIVES IN THE INTERSTELLAR MEDIUM  
eds. Joseph P. Cassinelli and Edward B. Churchwell  
ISBN 0-937707-54-6
- Vol. CS-36 PLANETS AROUND PULSARS  
ed. J. A. Phillips, S. E. Thorsett, and S. R. Kulkarni  
ISBN 0-937707-55-4
- Vol. CS-37 FIBER OPTICS IN ASTRONOMY II  
ed. Peter M. Gray  
ISBN 0-937707-56-2
- Vol. CS-38 NEW FRONTIERS IN BINARY STAR RESEARCH: Pacific Rim Colloquium  
eds. K. C. Leung and I.-S. Nha  
ISBN 0-937707-57-0



## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1993 (\* asterisk means OUT OF PRINT)**

- Vol. CS-39 THE MINNESOTA LECTURES ON THE STRUCTURE AND DYNAMICS OF THE MILKY WAY  
ed. Roberta M. Humphreys  
ISBN 0-937707-58-9
- Vol. CS-40 INSIDE THE STARS, IAU Colloquium 137  
eds. Werner W. Weiss and Annie Baglin  
ISBN 0-937707-59-7
- Vol. CS-41 ASTRONOMICAL INFRARED SPECTROSCOPY: FUTURE OBSERVATIONAL DIRECTIONS  
ed. Sun Kwok  
ISBN 0-937707-60-0
- Vol. CS-42 GONG 1992: SEISMIC INVESTIGATION OF THE SUN AND STARS  
ed. Timothy M. Brown  
ISBN 0-937707-61-9
- Vol. CS-43 SKY SURVEYS: PROTOSTARS TO PROTOGALAXIES  
ed. B. T. Soifer  
ISBN 0-937707-62-7
- Vol. CS-44 PECULIAR VERSUS NORMAL PHENOMENA IN A-TYPE AND RELATED STARS, IAU Colloquium 138  
eds. M. M. Dworetzky, F. Castelli, and R. Faraggiana  
ISBN 0-937707-63-5
- Vol. CS-45 LUMINOUS HIGH-LATITUDE STARS  
ed. Dimitar D. Sasselov  
ISBN 0-937707-64-3
- Vol. CS-46 THE MAGNETIC AND VELOCITY FIELDS OF SOLAR ACTIVE REGIONS, IAU Colloquium 141  
eds. Harold Zirin, Guoxiang Ai, and Haimin Wang  
ISBN 0-937707-65-1
- Vol. CS-47 THIRD DECENNIAL US-USSR CONFERENCE ON SETI -- Santa Cruz, California, USA  
ed. G. Seth Shostak  
ISBN 0-937707-66-X
- Vol. CS-48 THE GLOBULAR CLUSTER-GALAXY CONNECTION  
eds. Graeme H. Smith and Jean P. Brodie  
ISBN 0-937707-67-8
- Vol. CS-49 GALAXY EVOLUTION: THE MILKY WAY PERSPECTIVE  
ed. Steven R. Majewski  
ISBN 0-937707-68-6
- Vol. CS-50 STRUCTURE AND DYNAMICS OF GLOBULAR CLUSTERS  
eds. S. G. Djorgovski and G. Meylan  
ISBN 0-937707-69-4
- Vol. CS-51 OBSERVATIONAL COSMOLOGY  
eds. Guido Chincarini, Angela Iovino, Tommaso Maccacaro, and Dario Maccagni  
ISBN 0-937707-70-8

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1994 (\* asterisk means OUT OF PRINT)**

- Vol. CS-52      ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) II  
eds. R. J. Hanisch, R. J. V. Brissenden, and Jeannette Barnes  
ISBN 0-937707-71-6
- Vol. CS-53      BLUE STRAGGLERS  
ed. Rex A. Saffer  
ISBN 0-937707-72-4
- Vol. CS-54      THE FIRST STROMLO SYMPOSIUM: THE PHYSICS OF ACTIVE GALAXIES  
eds. Geoffrey V. Bicknell, Michael A. Dopita, and Peter J. Quinn  
ISBN 0-937707-73-2
- Vol. CS-55      OPTICAL ASTRONOMY FROM THE EARTH AND MOON  
eds. Diane M. Pyper and Ronald J. Angione  
ISBN 0-937707-74-0
- Vol. CS-56 \*     INTERACTING BINARY STARS  
ed. Allen W. Shafter  
ISBN 0-937707-75-9
- Vol. CS-57      STELLAR AND CIRCUMSTELLAR ASTROPHYSICS  
eds. George Wallerstein and Alberto Noriega-Crespo  
ISBN 0-937707-76-7
- Vol. CS-58      THE FIRST SYMPOSIUM ON THE INFRARED CIRRUS AND DIFFUSE  
INTERSTELLAR CLOUDS  
eds. Roc M. Cutri and William B. Latter  
ISBN 0-937707-77-5
- Vol. CS-59      ASTRONOMY WITH MILLIMETER AND SUBMILLIMETER WAVE  
INTERFEROMETRY, IAU Colloquium 140  
eds. M. Ishiguro and Wm. J. Welch  
ISBN 0-937707-78-3
- Vol. CS-60      THE MK PROCESS AT 50 YEARS: A POWERFUL TOOL FOR  
ASTRO-PHYSICAL INSIGHT, A Workshop of the Vatican Observatory --  
Tucson, Arizona, USA  
eds. C. J. Corbally, R. O. Gray, and R. F. Garrison  
ISBN 0-937707-79-1
- Vol. CS-61      ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) III  
eds. Dennis R. Crabtree, R. J. Hanisch, and Jeannette Barnes  
ISBN 0-937707-80-5
- Vol. CS-62      THE NATURE AND EVOLUTIONARY STATUS OF HERBIG Ae/Be STARS  
eds. Pik Sin Thé, Mario R. Pérez, and Ed P. J. van den Heuvel  
ISBN 0-9837707-81-3
- Vol. CS-63      SEVENTY-FIVE YEARS OF HIRAYAMA ASTEROID FAMILIES:  
THE ROLE OF COLLISIONS IN THE SOLAR SYSTEM HISTORY  
eds. Yoshihide Kozai, Richard P. Binzel, and Tomohiro Hirayama  
ISBN 0-937707-82-1
- Vol. CS-64 \*     COOL STARS, STELLAR SYSTEMS, AND THE SUN:  
Eighth Cambridge Workshop  
ed. Jean-Pierre Caillault  
ISBN 0-937707-83-X

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1994 (\* asterisk means OUT OF PRINT)**

- Vol. CS-65 \* CLOUDS, CORES, AND LOW MASS STARS:  
The Fourth Haystack Observatory Conference  
eds. Dan P. Clemens and Richard Barvainis  
ISBN 0-937707-84-8
- Vol. CS-66 \* PHYSICS OF THE GASEOUS AND STELLAR DISKS OF THE GALAXY  
ed. Ivan R. King  
ISBN 0-937707-85-6
- Vol. CS-67 UNVEILING LARGE-SCALE STRUCTURES BEHIND THE MILKY WAY  
eds. C. Balkowski and R. C. Kraan-Korteweg  
ISBN 0-937707-86-4
- Vol. CS-68 SOLAR ACTIVE REGION EVOLUTION: COMPARING MODELS WITH  
OBSERVATIONS  
eds. K. S. Balasubramaniam and George W. Simon  
ISBN 0-937707-87-2
- Vol. CS-69 REVERBERATION MAPPING OF THE BROAD-LINE REGION IN ACTIVE  
GALACTIC NUCLEI  
eds. P. M. Gondhalekar, K. Horne, and B. M. Peterson  
ISBN 0-937707-88-0
- Vol. CS-70 \* GROUPS OF GALAXIES  
eds. Otto-G. Richter and Kirk Borne  
ISBN 0-937707-89-9

### **PUBLISHED: 1995**

- Vol. CS-71 TRIDIMENSIONAL OPTICAL SPECTROSCOPIC METHODS IN  
ASTROPHYSICS, IAU Colloquium 149  
eds. Georges Comte and Michel Marcelin  
ISBN 0-937707-90-2
- Vol. CS-72 MILLISECOND PULSARS: A DECADE OF SURPRISE  
eds. A. S. Fruchter, M. Tavani, and D. C. Backer  
ISBN 0-937707-91-0
- Vol. CS-73 AIRBORNE ASTRONOMY SYMPOSIUM ON THE GALACTIC ECOSYSTEM:  
FROM GAS TO STARS TO DUST  
eds. Michael R. Haas, Jacqueline A. Davidson, and Edwin F. Erickson  
ISBN 0-937707-92-9
- Vol. CS-74 PROGRESS IN THE SEARCH FOR EXTRATERRESTRIAL LIFE:  
1993 Bioastronomy Symposium  
ed. G. Seth Shostak  
ISBN 0-937707-93-7
- Vol. CS-75 MULTI-FEED SYSTEMS FOR RADIO TELESCOPES  
eds. Darrel T. Emerson and John M. Payne  
ISBN 0-937707-94-5
- Vol. CS-76 GONG '94: HELIO- AND ASTERO-SEISMOLOGY FROM THE EARTH AND  
SPACE  
eds. Roger K. Ulrich, Edward J. Rhodes, Jr., and Werner Däppen  
ISBN 0-937707-95-3

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 1995 (\* asterisk means OUT OF PRINT)**

- Vol. CS-77      ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) IV  
eds. R. A. Shaw, H. E. Payne, and J. J. E. Hayes  
ISBN 0-937707-96-1
- Vol. CS-78      ASTROPHYSICAL APPLICATIONS OF POWERFUL NEW DATABASES:  
Joint Discussion No. 16 of the 22nd General Assembly of the IAU  
eds. S. J. Adelman and W. L. Wiese  
ISBN 0-937707-97-X
- Vol. CS-79      ROBOTIC TELESCOPES: CURRENT CAPABILITIES, PRESENT  
DEVELOPMENTS, AND FUTURE PROSPECTS FOR AUTOMATED  
ASTRONOMY  
eds. Gregory W. Henry and Joel A. Eaton  
ISBN 0-937707-98-8
- Vol. CS-80 \*     THE PHYSICS OF THE INTERSTELLAR MEDIUM AND INTERGALACTIC  
MEDIUM  
eds. A. Ferrara, C. F. McKee, C. Heiles, and P. R. Shapiro  
ISBN 0-937707-99-6
- Vol. CS-81      LABORATORY AND ASTRONOMICAL HIGH RESOLUTION SPECTRA  
eds. A. J. Sauval, R. Blomme, and N. Grevesse  
ISBN 1-886733-01-5
- Vol. CS-82 \*     VERY LONG BASELINE INTERFEROMETRY AND THE VLBA  
eds. J. A. Zensus, P. J. Diamond, and P. J. Napier  
ISBN 1-886733-02-3
- Vol. CS-83 \*     ASTROPHYSICAL APPLICATIONS OF STELLAR PULSATION,  
IAU Colloquium 155  
eds. R. S. Stobie and P. A. Whitelock  
ISBN 1-886733-03-1
- ATLAS            INFRARED ATLAS OF THE ARCTURUS SPECTRUM, 0.9 - 5.3  $\mu$ m  
eds. Kenneth Hinkle, Lloyd Wallace, and William Livingston  
ISBN: 1-886733-04-X
- Vol. CS-84      THE FUTURE UTILIZATION OF SCHMIDT TELESCOPES, IAU Colloquium 148  
Hidayat           eds. Jessica Chapman, Russell Cannon, Sandra Harrison, and Bambang  
ISBN 1-886733-05-8
- Vol. CS-85      CAPE WORKSHOP ON MAGNETIC CATAclysmic VARIABLES  
eds. D. A. H. Buckley and B. Warner  
ISBN 1-886733-06-6
- Vol. CS-86      FRESH VIEWS OF ELLIPTICAL GALAXIES  
eds. Alberto Buzzoni, Alvio Renzini, and Alfonso Serrano  
ISBN 1-886733-07-4

## **PUBLISHED: 1996**

- Vol. CS-87      NEW OBSERVING MODES FOR THE NEXT CENTURY  
eds. Todd Boroson, John Davies, and Ian Robson  
ISBN 1-886733-08-2
- Vol. CS-88 \*     CLUSTERS, LENSING, AND THE FUTURE OF THE UNIVERSE  
eds. Virginia Trimble and Andreas Reisenegger  
ISBN 1-886733-09-0

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1996 (\* asterisk means OUT OF PRINT)**

- Vol. CS-89      ASTRONOMY EDUCATION: CURRENT DEVELOPMENTS, FUTURE  
COORDINATION  
ed. John R. Percy  
ISBN 1-886733-10-4
- Vol. CS-90      THE ORIGINS, EVOLUTION, AND DESTINIES OF BINARY STARS IN  
CLUSTERS  
eds. E. F. Milone and J. -C. Mermilliod  
ISBN 1-886733-11-2
- Vol. CS-91      BARRED GALAXIES, IAU Colloquium 157  
eds. R. Buta, D. A. Crocker, and B. G. Elmegreen  
ISBN 1-886733-12-0
- Vol. CS-92 \*     FORMATION OF THE GALACTIC HALO .... INSIDE AND OUT  
eds. Heather L. Morrison and Ata Sarajedini  
ISBN 1-886733-13-9
- Vol. CS-93      RADIO EMISSION FROM THE STARS AND THE SUN  
eds. A. R. Taylor and J. M. Paredes  
ISBN 1-886733-14-7
- Vol. CS-94      MAPPING, MEASURING, AND MODELING THE UNIVERSE  
eds. Peter Coles, Vicent J. Martinez, and Maria-Jesus Pons-Borderia  
ISBN 1-886733-15-5
- Vol. CS-95      SOLAR DRIVERS OF INTERPLANETARY AND TERRESTRIAL  
DISTURBANCES: Proceedings of 16<sup>th</sup> International Workshop National Solar  
Observatory/Sacramento Peak  
eds. K. S. Balasubramaniam, Stephen L. Keil, and Raymond N. Smartt  
ISBN 1-886733-16-3
- Vol. CS-96      HYDROGEN-DEFICIENT STARS  
eds. C. S. Jeffery and U. Heber  
ISBN 1-886733-17-1
- Vol. CS-97      POLARIMETRY OF THE INTERSTELLAR MEDIUM  
eds. W. G. Roberge and D. C. B. Whittet  
ISBN 1-886733-18-X
- Vol. CS-98      FROM STARS TO GALAXIES: THE IMPACT OF STELLAR PHYSICS ON  
GALAXY EVOLUTION  
eds. Claus Leitherer, Uta Fritze-von Alvensleben, and John Huchra  
ISBN 1-886733-19-8
- Vol. CS-99      COSMIC ABUNDANCES:  
Proceedings of the 6th Annual October Astrophysics Conference  
eds. Stephen S. Holt and George Sonneborn  
ISBN 1-886733-20-1
- Vol. CS-100     ENERGY TRANSPORT IN RADIO GALAXIES AND QUASARS  
eds. P. E. Hardee, A. H. Bridle, and J. A. Zensus  
ISBN 1-886733-21-X
- Vol. CS-101     ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) V  
eds. George H. Jacoby and Jeannette Barnes  
ISBN 1080-7926

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 1996 (\* asterisk means OUT OF PRINT)**

- Vol. CS-102 THE GALACTIC CENTER, 4th ESO/CTIO Workshop  
ed. Roland Gredel  
ISBN 1-886733-22-8
- Vol. CS-103 THE PHYSICS OF LINERS IN VIEW OF RECENT OBSERVATIONS  
eds. M. Eracleous, A. Koratkar, C. Leitherer, and L. Ho  
ISBN 1-886733-23-6
- Vol. CS-104\* PHYSICS, CHEMISTRY, AND DYNAMICS OF INTERPLANETARY DUST,  
IAU Colloquium 150  
eds. Bo Å. S. Gustafson and Martha S. Hanner  
ISBN 1-886733-24-4
- Vol. CS-105 PULSARS: PROBLEMS AND PROGRESS, IAU Colloquium 160  
ed. S. Johnston, M. A. Walker, and M. Bailes  
ISBN 1-886733-25-2
- Vol. CS-106 THE MINNESOTA LECTURES ON EXTRAGALACTIC NEUTRAL HYDROGEN  
ed. Evan D. Skillman  
ISBN 1-886733-26-0
- Vol. CS-107 COMPLETING THE INVENTORY OF THE SOLAR SYSTEM:  
A Symposium held in conjunction with the 106th Annual Meeting of the ASP  
eds. Terrence W. Rettig and Joseph M. Hahn  
ISBN 1-886733-27-9
- Vol. CS-108 M.A.S.S. -- MODEL ATMOSPHERES AND SPECTRUM SYNTHESIS:  
5th Vienna - Workshop  
eds. Saul J. Adelman, Friedrich Kupka, and Werner W. Weiss  
ISBN 1-886733-28-7
- Vol. CS-109 COOL STARS, STELLAR SYSTEMS, AND THE SUN:  
Ninth Cambridge Workshop  
eds. Roberto Pallavicini and Andrea K. Dupree  
ISBN 1-886733-29-5
- Vol. CS-110 BLAZAR CONTINUUM VARIABILITY  
eds. H. R. Miller, J. R. Webb, and J. C. Noble  
ISBN 1-886733-30-9
- Vol. CS-111 MAGNETIC RECONNECTION IN THE SOLAR ATMOSPHERE:  
Proceedings of a Yohkoh Conference  
eds. R. D. Bentley and J. T. Mariska  
ISBN 1-886733-31-7
- Vol. CS-112 THE HISTORY OF THE MILKY WAY AND ITS SATELLITE SYSTEM  
eds. Andreas Burkert, Dieter H. Hartmann, and Steven R. Majewski  
ISBN 1-886733-32-5

## **PUBLISHED: 1997**

- Vol. CS-113 EMISSION LINES IN ACTIVE GALAXIES: NEW METHODS AND  
TECHNIQUES, IAU Colloquium 159  
eds. B. M. Peterson, F.-Z. Cheng, and A. S. Wilson  
ISBN 1-886733-33-3
- Vol. CS-114 YOUNG GALAXIES AND QSO ABSORPTION-LINE SYSTEMS  
eds. Sueli M. Viegas, Ruth Gruenwald, and Reinaldo R. de Carvalho  
ISBN 1-886733-34-1

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 1997 (\* asterisk means OUT OF PRINT)**

- Vol. CS-115 GALACTIC CLUSTER COOLING FLOWS  
ed. Noam Soker  
ISBN 1-886733-35-X
- Vol. CS-116 THE SECOND STROMLO SYMPOSIUM: THE NATURE OF ELLIPTICAL GALAXIES  
eds. M. Arnaboldi, G. S. Da Costa, and P. Saha  
ISBN 1-886733-36-8
- Vol. CS-117 DARK AND VISIBLE MATTER IN GALAXIES  
eds. Massimo Persic and Paolo Salucci  
ISBN-1-886733-37-6
- Vol. CS-118 FIRST ADVANCES IN SOLAR PHYSICS EUROCONFERENCE: ADVANCES IN THE PHYSICS OF SUNSPOTS  
eds. B. Schmieder, J. C. del Toro Iniesta, and M. Vázquez  
ISBN 1-886733-38-4
- Vol. CS-119 PLANETS BEYOND THE SOLAR SYSTEM AND THE NEXT GENERATION OF SPACE MISSIONS  
ed. David R. Soderblom  
ISBN 1-886733-39-2
- Vol. CS-120 LUMINOUS BLUE VARIABLES: MASSIVE STARS IN TRANSITION  
eds. Antonella Nota and Henny J. G. L. M. Lamers  
ISBN 1-886733-40-6
- Vol. CS-121 ACCRETION PHENOMENA AND RELATED OUTFLOWS, IAU Colloquium 163  
eds. D. T. Wickramasinghe, G. V. Bicknell, and L. Ferrario  
ISBN 1-886733-41-4
- Vol. CS-122 FROM STARDUST TO PLANETESIMALS:  
Symposium held as part of the 108th Annual Meeting of the ASP  
eds. Yvonne J. Pendleton and A. G. G. M. Tielens  
ISBN 1-886733-42-2
- Vol. CS-123 THE 12<sup>th</sup> 'KINGSTON MEETING': COMPUTATIONAL ASTROPHYSICS  
eds. David A. Clarke and Michael J. West  
ISBN 1-886733-43-0
- Vol. CS-124 DIFFUSE INFRARED RADIATION AND THE IRTS  
eds. Haruyuki Okuda, Toshio Matsumoto, and Thomas Roellig  
ISBN 1-886733-44-9
- Vol. CS-125 ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) VI  
eds. Gareth Hunt and H. E. Payne  
ISBN 1-886733-45-7
- Vol. CS-126 FROM QUANTUM FLUCTUATIONS TO COSMOLOGICAL STRUCTURES  
eds. David Valls-Gabaud, Martin A. Hendry, Paolo Molaro, and Khalil Chamcham  
ISBN 1-886733-46-5
- Vol. CS-127 PROPER MOTIONS AND GALACTIC ASTRONOMY  
ed. Roberta M. Humphreys  
ISBN 1-886733-47-3

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 1997 (\* asterisk means OUT OF PRINT)**

- Vol. CS-128      MASS EJECTION FROM AGN (Active Galactic Nuclei)  
eds. N. Arav, I. Shlosman, and R. J. Weymann  
ISBN 1-886733-48-1
- Vol. CS-129      THE GEORGE GAMOW SYMPOSIUM  
eds. E. Harper, W. C. Parke, and G. D. Anderson  
ISBN 1-886733-49 -X
- Vol. CS-130      THE THIRD PACIFIC RIM CONFERENCE ON RECENT DEVELOPMENT ON  
BINARY STAR RESEARCH  
eds. Kam-Ching Leung  
ISBN 1-886733-50-3

## **PUBLISHED: 1998**

- Vol. CS-131      BOULDER-MUNICH II: PROPERTIES OF HOT, LUMINOUS STARS  
ed. Ian D. Howarth  
ISBN 1-886733-51-1
- Vol. CS-132      STAR FORMATION WITH THE INFRARED SPACE OBSERVATORY (ISO)  
eds. João L. Yun and René Liseau  
ISBN 1-886733-52-X
- Vol. CS-133      SCIENCE WITH THE NGST (Next Generation Space Telescope)  
eds. Eric P. Smith and Anuradha Koratkar  
ISBN 1-886733-53-8
- Vol. CS-134 \*    BROWN DWARFS AND EXTRASOLAR PLANETS  
eds. Rafael Rebolo, Eduardo L. Martin, and Maria Rosa Zapatero Osorio  
ISBN 1-886733-54-6
- Vol. CS-135      A HALF CENTURY OF STELLAR PULSATION INTERPRETATIONS:  
A TRIBUTE TO ARTHUR N. COX  
eds. P. A. Bradley and J. A. Guzik  
ISBN 1-886733-55-4
- Vol. CS-136      GALACTIC HALOS: A UC SANTA CRUZ WORKSHOP  
ed. Dennis Zaritsky  
ISBN 1-886733-56-2
- Vol. CS-137      WILD STARS IN THE OLD WEST: PROCEEDINGS OF THE 13<sup>th</sup> NORTH  
AMERICAN WORKSHOP ON CATAclysmic VARIABLES AND RELATED  
OBJECTS  
eds. S. Howell, E. Kuulkers, and C. Woodward  
ISBN 1-886733-57-0
- Vol. CS-138      1997 PACIFIC RIM CONFERENCE ON STELLAR ASTROPHYSICS  
eds. Kwing Lam Chan, K. S. Cheng, and H. P. Singh  
ISBN 1-886733-58-9
- Vol. CS-139      PRESERVING THE ASTRONOMICAL WINDOWS:  
Proceedings of Joint Discussion No. 5 of the 23rd General Assembly of the IAU  
eds. Syuzo Isoe and Tomohiro Hirayama  
ISBN 1-886733-59-7
- Vol. CS-140      SYNOPTIC SOLAR PHYSICS --18th NSO/Sacramento Peak Summer Workshop  
eds. K. S. Balasubramaniam, J. W. Harvey, and D. M. Rabin  
ISBN 1-886733-60-0



## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1998 (\* asterisk means OUT OF PRINT)**

- Vol. CS-141     **ASTROPHYSICS FROM ANTARCTICA:**  
A Symposium held as a part of the 109<sup>th</sup> Annual Meeting of the ASP  
eds. Giles Novak and Randall H. Landsberg  
ISBN 1-886733-61-9
- Vol. CS-142     **THE STELLAR INITIAL MASS FUNCTION: 38th Herstmonceux Conference**  
eds. Gerry Gilmore and Debbie Howell  
ISBN 1-886733-62-7
- Vol. CS-143 \*    **THE SCIENTIFIC IMPACT OF THE GODDARD HIGH RESOLUTION  
SPECTROGRAPH (GHR)**  
eds. John C. Brandt, Thomas B. Ake III, and Carolyn Collins Petersen  
ISBN 1-886733-63-5
- Vol. CS-144     **RADIO EMISSION FROM GALACTIC AND EXTRAGALACTIC COMPACT  
SOURCES, IAU Colloquium 164**  
eds. J. Anton Zensus, G. B. Taylor, and J. M. Wrobel  
ISBN 1-886733-64-3
- Vol. CS-145     **ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) VII**  
eds. Rudolf Albrecht, Richard N. Hook, and Howard A. Bushouse  
ISBN 1-886733-65-1
- Vol. CS-146     **THE YOUNG UNIVERSE GALAXY FORMATION AND EVOLUTION AT  
INTERMEDIATE AND HIGH REDSHIFT**  
eds. S. D'Odorico, A. Fontana, and E. Giallongo  
ISBN 1-886733-66-X
- Vol. CS-147     **ABUNDANCE PROFILES: DIAGNOSTIC TOOLS FOR GALAXY HISTORY**  
eds. Daniel Friedli, Mike Edmunds, Carmelle Robert, and Laurent Drissen  
ISBN 1-886733-67-8
- Vol. CS-148     **ORIGINS**  
eds. Charles E. Woodward, J. Michael Shull, and Harley A. Thronson, Jr.  
ISBN 1-886733-68-6
- Vol. CS-149     **SOLAR SYSTEM FORMATION AND EVOLUTION**  
eds. D. Lazzaro, R. Vieira Martins, S. Ferraz-Mello, J. Fernández, and  
C. Beaugé  
ISBN 1-886733-69-4
- Vol. CS-150     **NEW PERSPECTIVES ON SOLAR PROMINENCES, IAU Colloquium 167**  
eds. David Webb, David Rust, and Brigitte Schmieder  
ISBN 1-886733-70-8
- Vol. CS-151     **COSMIC MICROWAVE BACKGROUND AND LARGE SCALE STRUCTURES  
OF THE UNIVERSE**  
eds. Yong-ik Byun and Kin-Wang Ng  
ISBN 1-886733-71-6
- Vol. CS-152     **FIBER OPTICS IN ASTRONOMY III**  
eds. S. Arribas, E. Mediavilla, and F. Watson  
ISBN 1-886733-72-4
- Vol. CS-153     **LIBRARY AND INFORMATION SERVICES IN ASTRONOMY III -- (LISA III)**  
eds. Uta Grothkopf, Heinz Andernach, Sarah Stevens-Rayburn,  
and Monique Gomez  
ISBN 1-886733-73-2

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 1999 (\* asterisk means OUT OF PRINT)**

- Vol. CS-154 COOL STARS, STELLAR SYSTEMS AND THE SUN:  
Tenth Cambridge Workshop  
eds. Robert A. Donahue and Jay A. Bookbinder  
ISBN 1-886733-74-0
- Vol. CS-155 SECOND ADVANCES IN SOLAR PHYSICS EUROCONFERENCE:  
THREE-DIMENSIONAL STRUCTURE OF SOLAR ACTIVE REGIONS  
eds. Costas E. Alissandrakis and Brigitte Schmieder  
ISBN 1-886733-75-9
- Vol. CS-156 HIGHLY REDSHIFTED RADIO LINES  
eds. C. L. Carilli, S. J. E. Radford, K. M. Menten, and G. I. Langston  
ISBN 1-886733-76-7
- Vol. CS-157 ANNAPOLIS WORKSHOP ON MAGNETIC CATAclysmic VARIABLES  
eds. Coel Hellier and Koji Mukai  
ISBN 1-886733-77-5
- Vol. CS-158 SOLAR AND STELLAR ACTIVITY: SIMILARITIES AND DIFFERENCES  
eds. C. J. Butler and J. G. Doyle  
ISBN 1-886733-78-3
- Vol. CS-159 BL LAC PHENOMENON  
eds. Leo O. Takalo and Aimo Sillanpää  
ISBN 1-886733-79-1
- Vol. CS-160 ASTROPHYSICAL DISCS: An EC Summer School  
eds. J. A. Sellwood and Jeremy Goodman  
ISBN 1-886733-80-5
- Vol. CS-161 HIGH ENERGY PROCESSES IN ACCRETING BLACK HOLES  
eds. Juri Poutanen and Roland Svensson  
ISBN 1-886733-81-3
- Vol. CS-162 QUASARS AND COSMOLOGY  
eds. Gary Ferland and Jack Baldwin  
ISBN 1-886733-83-X
- Vol. CS-163 STAR FORMATION IN EARLY-TYPE GALAXIES  
eds. Jordi Cepa and Patricia Carral  
ISBN 1-886733-84-8
- Vol. CS-164 ULTRAVIOLET–OPTICAL SPACE ASTRONOMY BEYOND HST  
eds. Jon A. Morse, J. Michael Shull, and Anne L. Kinney  
ISBN 1-886733-85-6
- Vol. CS-165 THE THIRD STROMLO SYMPOSIUM: THE GALACTIC HALO  
eds. Brad K. Gibson, Tim S. Axelrod, and Mary E. Putman  
ISBN 1-886733-86-4
- Vol. CS-166 STROMLO WORKSHOP ON HIGH-VELOCITY CLOUDS  
eds. Brad K. Gibson and Mary E. Putman  
ISBN 1-886733-87-2
- Vol. CS-167 HARMONIZING COSMIC DISTANCE SCALES IN A POST-HIPPARCOS ERA  
eds. Daniel Egret and André Heck  
ISBN 1-886733-88-0

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1999 (\* asterisk means OUT OF PRINT)**

- Vol. CS-168      **NEW PERSPECTIVES ON THE INTERSTELLAR MEDIUM**  
eds. A. R. Taylor, T. L. Landecker, and G. Joncas  
ISBN 1-886733-89-9
- Vol. CS-169      **11<sup>th</sup> EUROPEAN WORKSHOP ON WHITE DWARFS**  
eds. J.-E. Solheim and E. G. Meistas  
ISBN 1-886733-91-0
- Vol. CS-170      **THE LOW SURFACE BRIGHTNESS UNIVERSE, IAU Colloquium 171**  
eds. J. I. Davies, C. Impey, and S. Phillipps  
ISBN 1-886733-92-9
- Vol. CS-171      **LiBeB, COSMIC RAYS, AND RELATED X- AND GAMMA-RAYS**  
eds. Reuven Ramaty, Elisabeth Vangioni-Flam, Michel Cassé, and Keith Olive  
ISBN 1-886733-93-7
- Vol. CS-172      **ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) VIII**  
eds. David M. Mehringer, Raymond L. Plante, and Douglas A. Roberts  
ISBN 1-886733-94-5
- Vol. CS-173      **THEORY AND TESTS OF CONVECTION IN STELLAR STRUCTURE:  
First Granada Workshop**  
ed. Álvaro Giménez, Edward F. Guinan, and Benjamín Montesinos  
ISBN 1-886733-95-3
- Vol. CS-174      **CATCHING THE PERFECT WAVE: ADAPTIVE OPTICS AND  
INTERFEROMETRY IN THE 21<sup>st</sup> CENTURY,  
A Symposium held as a part of the 110<sup>th</sup> Annual Meeting of the ASP**  
eds. Sergio R. Restaino, William Junor, and Nebojsa Duric  
ISBN 1-886733-96-1
- Vol. CS-175      **STRUCTURE AND KINEMATICS OF QUASAR BROAD LINE REGIONS**  
eds. C. M. Gaskell, W. N. Brandt, M. Dietrich, D. Dultzin-Hacyan,  
and M. Eracleous  
ISBN 1-886733-97-X
- Vol. CS-176      **OBSERVATIONAL COSMOLOGY: THE DEVELOPMENT OF GALAXY  
SYSTEMS**  
eds. Giuliano Giuricin, Marino Mezzetti, and Paolo Salucci  
ISBN 1-58381-000-5
- Vol. CS-177      **ASTROPHYSICS WITH INFRARED SURVEYS: A Prelude to SIRTf**  
eds. Michael D. Bica, Chas A. Beichman, Roc M. Cutri, and Barry F. Madore  
ISBN 1-58381-001-3
- Vol. CS-178      **STELLAR DYNAMOS: NONLINEARITY AND CHAOTIC FLOWS**  
eds. Manuel Núñez and Antonio Ferriz-Mas  
ISBN 1-58381-002-1
- Vol. CS-179      **ETA CARINAE AT THE MILLENNIUM**  
eds. Jon A. Morse, Roberta M. Humphreys, and Augusto Damineli  
ISBN 1-58381-003-X
- Vol. CS-180      **SYNTHESIS IMAGING IN RADIO ASTRONOMY II**  
eds. G. B. Taylor, C. L. Carilli, and R. A. Perley  
ISBN 1-58381-005-6
- Vol. CS-181      **MICROWAVE FOREGROUNDS**  
eds. Angelica de Oliveira-Costa and Max Tegmark  
ISBN 1-58381-006-4

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 1999 (\* asterisk means OUT OF PRINT)**

- Vol. CS-182 GALAXY DYNAMICS: A Rutgers Symposium  
eds. David Merritt, J. A. Sellwood, and Monica Valluri  
ISBN 1-58381-007-2
- Vol. CS-183 HIGH RESOLUTION SOLAR PHYSICS: THEORY, OBSERVATIONS,  
AND TECHNIQUES  
eds. T. R. Rimmele, K. S. Balasubramaniam, and R. R. Radick  
ISBN 1-58381-009-9
- Vol. CS-184 THIRD ADVANCES IN SOLAR PHYSICS EUROCONFERENCE:  
MAGNETIC FIELDS AND OSCILLATIONS  
eds. B. Schmieder, A. Hofmann, and J. Staude  
ISBN 1-58381-010-2
- Vol. CS-185 PRECISE STELLAR RADIAL VELOCITIES, IAU Colloquium 170  
eds. J. B. Hearnshaw and C. D. Scarfe  
ISBN 1-58381-011-0
- Vol. CS-186 THE CENTRAL PARSECS OF THE GALAXY  
eds. Heino Falcke, Angela Cotera, Wolfgang J. Duschl, Fulvio Melia, and  
Marcia J. Rieke  
ISBN 1-58381-012-9
- Vol. CS-187 THE EVOLUTION OF GALAXIES ON COSMOLOGICAL TIMESCALES  
eds. J. E. Beckman and T. J. Mahoney  
ISBN 1-58381-013-7
- Vol. CS-188 OPTICAL AND INFRARED SPECTROSCOPY OF CIRCUMSTELLAR MATTER  
eds. Eike W. Guenther, Bringfried Stecklum, and Sylvio Klose  
ISBN 1-58381-014-5
- Vol. CS-189 CCD PRECISION PHOTOMETRY WORKSHOP  
eds. Eric R. Craine, Roy A. Tucker, and Jeannette Barnes  
ISBN 1-58381-015-3
- Vol. CS-190 GAMMA-RAY BURSTS: THE FIRST THREE MINUTES  
eds. Juri Poutanen and Roland Svensson  
ISBN 1-58381-016-1
- Vol. CS-191 PHOTOMETRIC REDSHIFTS AND HIGH REDSHIFT GALAXIES  
eds. Ray J. Weymann, Lisa J. Storrie-Lombardi, Marcin Sawicki, and  
Robert J. Brunner  
ISBN 1-58381-017-X
- Vol. CS-192 SPECTROPHOTOMETRIC DATING OF STARS AND GALAXIES  
ed. I. Hubeny, S. R. Heap, and R. H. Cornett  
ISBN 1-58381-018-8
- Vol. CS-193 THE HY-REDSHIFT UNIVERSE:  
GALAXY FORMATION AND EVOLUTION AT HIGH REDSHIFT  
eds. Andrew J. Bunker and Wil J. M. van Breugel  
ISBN 1-58381-019-6
- Vol. CS-194 WORKING ON THE FRINGE:  
OPTICAL AND IR INTERFEROMETRY FROM GROUND AND SPACE  
eds. Stephen Unwin and Robert Stachnik  
ISBN 1-58381-020-X

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 2000 (\* asterisk means OUT OF PRINT)**

- Vol. CS-195     **IMAGING THE UNIVERSE IN THREE DIMENSIONS:  
Astrophysics with Advanced Multi-Wavelength Imaging Devices**  
eds. W. van Breugel and J. Bland-Hawthorn  
ISBN 1-58381-022-6
- Vol. CS-196     **THERMAL EMISSION SPECTROSCOPY AND ANALYSIS OF DUST, DISKS,  
AND REGOLITHS**  
eds. Michael L. Sitko, Ann L. Sprague, and David K. Lynch  
ISBN: 1-58381-023-4
- Vol. CS-197     **XV<sup>th</sup> IAP MEETING DYNAMICS OF GALAXIES:  
FROM THE EARLY UNIVERSE TO THE PRESENT**  
eds. F. Combes, G. A. Mamon, and V. Charmandaris  
ISBN: 1-58381-24-2
- Vol. CS-198     **EUROCONFERENCE ON "STELLAR CLUSTERS AND ASSOCIATIONS:  
CONVECTION, ROTATION, AND DYNAMOS"**  
eds. R. Pallavicini, G. Micela, and S. Sciortino  
ISBN: 1-58381-25-0
- Vol. CS-199     **ASYMMETRICAL PLANETARY NEBULAE II:  
FROM ORIGINS TO MICROSTRUCTURES**  
eds. J. H. Kastner, N. Soker, and S. Rappaport  
ISBN: 1-58381-026-9
- Vol. CS-200     **CLUSTERING AT HIGH REDSHIFT**  
eds. A. Mazure, O. Le Fèvre, and V. Le Brun  
ISBN: 1-58381-027-7
- Vol. CS-201     **COSMIC FLOWS 1999: TOWARDS AN UNDERSTANDING OF LARGE-SCALE  
STRUCTURES**  
eds. Stéphane Courteau, Michael A. Strauss, and Jeffrey A. Willick  
ISBN: 1-58381-028-5
- Vol. CS-202 \*    **PULSAR ASTRONOMY – 2000 AND BEYOND, IAU Colloquium 177**  
eds. M. Kramer, N. Wex, and R. Wielebinski  
ISBN: 1-58381-029-3
- Vol. CS-203     **THE IMPACT OF LARGE-SCALE SURVEYS ON PULSATING STAR  
RESEARCH, IAU Colloquium 176**  
eds. L. Szabados and D. W. Kurtz  
ISBN: 1-58381-030-7
- Vol. CS-204     **THERMAL AND IONIZATION ASPECTS OF FLOWS FROM HOT STARS:  
OBSERVATIONS AND THEORY**  
eds. Henny J. G. L. M. Lamers and Arved Sagar  
ISBN: 1-58381-031-5
- Vol. CS-205     **THE LAST TOTAL SOLAR ECLIPSE OF THE MILLENNIUM IN TURKEY**  
eds. W. C. Livingston and A. Özgüç  
ISBN: 1-58381-032-3
- Vol. CS-206     **HIGH ENERGY SOLAR PHYSICS – *ANTICIPATING HESSI***  
eds. Reuven Ramaty and Natalie Mandzhavidze  
ISBN: 1-58381-033-1
- Vol. CS-207     **NGST SCIENCE AND TECHNOLOGY EXPOSITION**  
eds. Eric P. Smith and Knox S. Long  
ISBN: 1-58381-036-6

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 2000 (\* asterisk means OUT OF PRINT)**

- ATLAS            VISIBLE AND NEAR INFRARED ATLAS OF THE ARCTURUS SPECTRUM  
3727-9300 Å  
eds. Kenneth Hinkle, Lloyd Wallace, Jeff Valenti, and Dianne Harmer  
ISBN: 1-58381-037-4
- Vol. CS-208      POLAR MOTION: HISTORICAL AND SCIENTIFIC PROBLEMS,  
IAU Colloquium 178  
eds. Steven Dick, Dennis McCarthy, and Brian Luzum  
ISBN: 1-58381-039-0
- Vol. CS-209      SMALL GALAXY GROUPS, IAU Colloquium 174  
eds. Mauri J. Valtonen and Chris Flynn  
ISBN: 1-58381-040-4
- Vol. CS-210      DELTA SCUTI AND RELATED STARS: Reference Handbook and Proceedings  
of the 6<sup>th</sup> Vienna Workshop in Astrophysics  
eds. Michel Breger and Michael Houston Montgomery  
ISBN: 1-58381-043-9
- Vol. CS-211      MASSIVE STELLAR CLUSTERS  
eds. Ariane Lançon and Christian M. Boily  
ISBN: 1-58381-042-0
- Vol. CS-212      FROM GIANT PLANETS TO COOL STARS  
eds. Caitlin A. Griffith and Mark S. Marley  
ISBN: 1-58381-041-2
- Vol. CS-213      BIOASTRONOMY '99: A NEW ERA IN BIOASTRONOMY  
eds. Guillermo A. Lemarchand and Karen J. Meech  
ISBN: 1-58381-044-7
- Vol. CS-214      THE Be PHENOMENON IN EARLY-TYPE STARS, IAU Colloquium 175  
eds. Myron A. Smith, Huib F. Henrichs and Juan Fabregat  
ISBN: 1-58381-045-5
- Vol. CS-215      COSMIC EVOLUTION AND GALAXY FORMATION:  
STRUCTURE, INTERACTIONS AND FEEDBACK  
The 3<sup>rd</sup> Guillermo Haro Astrophysics Conference  
eds. José Franco, Elena Terlevich, Omar López-Cruz, and Itziar Aretxaga  
ISBN: 1-58381-046-3
- Vol. CS-216      ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) IX  
eds. Nadine Manset, Christian Veillet, and Dennis Crabtree  
ISBN: 1-58381-047-1                      ISSN: 1080-7926
- Vol. CS-217      IMAGING AT RADIO THROUGH SUBMILLIMETER WAVELENGTHS  
eds. Jeffrey G. Mangum and Simon J. E. Radford  
ISBN: 1-58381-049-8
- Vol. CS-218      MAPPING THE HIDDEN UNIVERSE: THE UNIVERSE BEHIND THE MILKY  
WAY – THE UNIVERSE IN HI  
eds. Renée C. Kraan-Korteweg, Patricia A. Henning, and Heinz Andernach  
ISBN: 1-58381-050-1
- Vol. CS-219      DISKS, PLANETESIMALS, AND PLANETS  
eds. F. Garzón, C. Eiroa, D. de Winter, and T. J. Mahoney  
ISBN: 1-58381-051-X

# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 2000 (\* asterisk means OUT OF PRINT)**

- Vol. CS-220      **AMATEUR - PROFESSIONAL PARTNERSHIPS IN ASTRONOMY:**  
The 111<sup>th</sup> Annual Meeting of the ASP  
eds. John R. Percy and Joseph B. Wilson  
ISBN: 1-58381-052-8
- Vol. CS-221      **STARS, GAS AND DUST IN GALAXIES: EXPLORING THE LINKS**  
eds. Danielle Alloin, Knut Olsen, and Gaspar Galaz  
ISBN: 1-58381-053-6

## **PUBLISHED: 2001**

- Vol. CS-222      **THE PHYSICS OF GALAXY FORMATION**  
eds. M. Umemura and H. Susa  
ISBN: 1-58381-054-4
- Vol. CS-223      **COOL STARS, STELLAR SYSTEMS AND THE SUN:**  
Eleventh Cambridge Workshop  
eds. Ramón J. García López, Rafael Rebolo, and María Zapatero Osorio  
ISBN: 1-58381-056-0
- Vol. CS-224      **PROBING THE PHYSICS OF ACTIVE GALACTIC NUCLEI BY  
MULTIWAVELENGTH MONITORING**  
eds. Bradley M. Peterson, Ronald S. Polidan, and Richard W. Pogge  
ISBN: 1-58381-055-2
- Vol. CS-225      **VIRTUAL OBSERVATORIES OF THE FUTURE**  
eds. Robert J. Brunner, S. George Djorgovski, and Alex S. Szalay  
ISBN: 1-58381-057-9
- Vol. CS-226      **12<sup>th</sup> EUROPEAN CONFERENCE ON WHITE DWARFS**  
eds. J. L. Provencal, H. L. Shipman, J. MacDonald, and S. Goodchild  
ISBN: 1-58381-058-7
- Vol. CS-227      **BLAZAR DEMOGRAPHICS AND PHYSICS**  
eds. Paolo Padovani and C. Megan Urry  
ISBN: 1-58381-059-5
- Vol. CS-228      **DYNAMICS OF STAR CLUSTERS AND THE MILKY WAY**  
eds. S. Deiters, B. Fuchs, A. Just, R. Spurzem, and R. Wielen  
ISBN: 1-58381-060-9
- Vol. CS-229      **EVOLUTION OF BINARY AND MULTIPLE STAR SYSTEMS**  
A Meeting in Celebration of Peter Eggleton's 60<sup>th</sup> Birthday  
eds. Ph. Podsiadlowski, S. Rappaport, A. R. King, F. D'Antona, and L. Burderi  
ISBN: 1-58381-061-7
- Vol. CS-230      **GALAXY DISKS AND DISK GALAXIES**  
eds. Jose G. Funes, S. J. and Enrico Maria Corsini  
ISBN: 1-58381-063-3
- Vol. CS-231      **TETONS 4: GALACTIC STRUCTURE, STARS, AND THE INTERSTELLAR  
MEDIUM**  
eds. Charles E. Woodward, Michael D. Bica, and J. Michael Shull  
ISBN: 1-58381-064-1
- Vol. CS-232      **THE NEW ERA OF WIDE FIELD ASTRONOMY**  
eds. Roger Clowes, Andrew Adamson, and Gordon Bromage  
ISBN: 1-58381-065-X

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 2001 (\* asterisk means OUT OF PRINT)**

- Vol. CS-233 P CYGNI 2000: 400 YEARS OF PROGRESS  
eds. Mart de Groot and Christiaan Sterken  
ISBN: 1-58381-070-6
- Vol. CS-234 X-RAY ASTRONOMY 2000  
eds. R. Giacconi, S. Serio, and L. Stella  
ISBN: 1-58381-071-4
- Vol. CS-235 SCIENCE WITH THE ATACAMA LARGE MILLIMETER ARRAY (ALMA)  
ed. Alwyn Wootten  
ISBN: 1-58381-072-2
- Vol. CS-236 ADVANCED SOLAR POLARIMETRY: THEORY, OBSERVATION, AND INSTRUMENTATION, The 20<sup>th</sup> Sacramento Peak Summer Workshop  
ed. M. Sigwarth  
ISBN: 1-58381-073-0
- Vol. CS-237 GRAVITATIONAL LENSING: RECENT PROGRESS AND FUTURE GOALS  
eds. Tereasa G. Brainerd and Christopher S. Kochanek  
ISBN: 1-58381-074-9
- Vol. CS-238 ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS X  
eds. F. R. Harnden, Jr., Francis A. Primini, and Harry E. Payne  
ISBN: 1-58381-075-7
- Vol. CS-239 MICROLENSING 2000: A NEW ERA OF MICROLENSING ASTROPHYSICS  
ed. John Menzies and Penny D. Sackett  
ISBN: 1-58381-076-5
- Vol. CS-240 GAS AND GALAXY EVOLUTION,  
A Conference in Honor of the 20<sup>th</sup> Anniversary of the VLA  
eds. J. E. Hibbard, M. P. Rupen, and J. H. van Gorkom  
ISBN: 1-58381-077-3
- Vol. CS-241 CS-241 THE 7TH TAIPEI ASTROPHYSICS WORKSHOP ON COSMIC RAYS IN THE UNIVERSE  
ed. Chung-Ming Ko  
ISBN: 1-58381-079-X
- Vol. CS-242 ETA CARINAE AND OTHER MYSTERIOUS STARS: THE HIDDEN OPPORTUNITIES OF EMISSION SPECTROSCOPY  
eds. Theodore R. Gull, Sveneric Johannson, and Kris Davidson  
ISBN: 1-58381-080-3
- Vol. CS-243 FROM DARKNESS TO LIGHT: ORIGIN AND EVOLUTION OF YOUNG STELLAR CLUSTERS  
eds. Thierry Montmerle and Philippe André  
ISBN: 1-58381-081-1
- Vol. CS-244 YOUNG STARS NEAR EARTH: PROGRESS AND PROSPECTS  
eds. Ray Jayawardhana and Thomas P. Greene  
ISBN: 1-58381-082-X
- Vol. CS-245 ASTROPHYSICAL AGES AND TIME SCALES  
eds. Ted von Hippel, Chris Simpson, and Nadine Manset  
ISBN: 1-58381-083-8



# ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

## **PUBLISHED: 2001 (\* asterisk means OUT OF PRINT)**

- Vol. CS-246      SMALL TELESCOPE ASTRONOMY ON GLOBAL SCALES, IAU Colloquium 183  
eds. Wen-Ping Chen, Claudia Lemme, and Bohdan Paczyński  
ISBN: 1-58381-084-6
- Vol. CS-247      SPECTROSCOPIC CHALLENGES OF PHOTOIONIZED PLASMAS  
eds. Gary Ferland and Daniel Wolf Savin  
ISBN: 1-58381-085-4
- Vol. CS-248      MAGNETIC FIELDS ACROSS THE HERTZSPRUNG-RUSSELL DIAGRAM  
eds. G. Mathys, S. K. Solanki, and D. T. Wickramasinghe  
ISBN: 1-58381-088-9
- Vol. CS-249      THE CENTRAL KILOPARSEC OF STARBURSTS AND AGN:  
THE LA PALMA CONNECTION  
eds. J. H. Knapen, J. E. Beckman, I. Shlosman, and T. J. Mahoney  
ISBN: 1-58381-089-7
- Vol. CS-250      PARTICLES AND FIELDS IN RADIO GALAXIES CONFERENCE  
eds. Robert A. Laing and Katherine M. Blundell  
ISBN: 1-58381-090-0
- Vol. CS-251      NEW CENTURY OF X-RAY ASTRONOMY  
eds. H. Inoue and H. Kunieda  
ISBN: 1-58381-091-9
- Vol. CS-252      HISTORICAL DEVELOPMENT OF MODERN COSMOLOGY  
eds. Vicent J. Martínez, Virginia Trimble, and María Jesús Pons-Bordería  
ISBN: 1-58381-092-7

## **PUBLISHED: 2002**

- Vol. CS-253      CHEMICAL ENRICHMENT OF INTRACLUSTER AND INTERGALACTIC  
MEDIUM  
eds. Roberto Fusco-Femiano and Francesca Matteucci  
ISBN: 1-58381-093-5
- Vol. CS-254      EXTRAGALACTIC GAS AT LOW REDSHIFT  
eds. John S. Mulchaey and John T. Stocke  
ISBN: 1-58381-094-3
- Vol. CS-255      MASS OUTFLOW IN ACTIVE GALACTIC NUCLEI: NEW PERSPECTIVES  
eds. D. M. Crenshaw, S. B. Kraemer, and I. M. George  
ISBN: 1-58381-095-1
- Vol. CS-256      OBSERVATIONAL ASPECTS OF PULSATING B AND A STARS  
eds. Christiaan Sterken and Donald W. Kurtz  
ISBN: 1-58381-096-X
- Vol. CS-257      AMiBA 2001: HIGH-Z CLUSTERS, MISSING BARYONS, AND CMB  
POLARIZATION  
eds. Lin-Wen Chen, Chung-Pei Ma, Kin-Wang Ng, and Ue-Li Pen  
ISBN: 1-58381-097-8
- Vol. CS-258      ISSUES IN UNIFICATION OF ACTIVE GALACTIC NUCLEI  
eds. Roberto Maiolino, Alessandro Marconi, and Neil Nagar  
ISBN: 1-58381-098-6

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 2002 (\* asterisk means OUT OF PRINT)**

- Vol. CS-259      RADIAL AND NONRADIAL PULSATIONS AS PROBES OF STELLAR PHYSICS, IAU Colloquium 185  
eds. Conny Aerts, Timothy R. Bedding, and Jørgen Christensen-Dalsgaard  
ISBN: 1-58381-099-4
- Vol. CS-260      INTERACTING WINDS FROM MASSIVE STARS  
eds. Anthony F. J. Moffat and Nicole St-Louis  
ISBN: 1-58381-100-1
- Vol. CS-261      THE PHYSICS OF CATAclysmic VARIABLES AND RELATED OBJECTS  
eds. B. T. Gänsicke, K. Beuermann, and K. Reinsch  
ISBN: 1-58381-101-X
- Vol. CS-262      THE HIGH ENERGY UNIVERSE AT SHARP FOCUS: CHANDRA SCIENCE, held in conjunction with the 113<sup>th</sup> Annual Meeting of the ASP  
eds. Eric M. Schlegel and Saeqa Dil Vrtilek  
ISBN: 1-58381-102-8
- Vol. CS-263      STELLAR COLLISIONS, MERGERS AND THEIR CONSEQUENCES  
ed. Michael M. Shara  
ISBN: 1-58381-103-6
- Vol. CS-264      CONTINUING THE CHALLENGE OF EUV ASTRONOMY: CURRENT ANALYSIS AND PROSPECTS FOR THE FUTURE  
eds. Steve B. Howell, Jean Dupuis, Daniel Golombek, Frederick M. Walter, and Jennifer Cullison  
ISBN: 1-58381-104-4
- Vol. CS-265       $\omega$  CENTAURI, A UNIQUE WINDOW INTO ASTROPHYSICS  
eds. Floor van Leeuwen, Joanne D. Hughes, and Giampaolo Piotto  
ISBN: 1-58381-105-2
- Vol. CS-266      ASTRONOMICAL SITE EVALUATION IN THE VISIBLE AND RADIO RANGE, IAU Technical Workshop  
eds. J. Vernin, Z. Benkhaldoun, and C. Muñoz-Tuñón  
ISBN: 1-58381-106-0
- Vol. CS-267\*      HOT STAR WORKSHOP III: THE EARLIEST STAGES OF MASSIVE STAR BIRTH  
ed. Paul A. Crowther  
ISBN: 1-58381-107-9
- Vol. CS-268      TRACING COSMIC EVOLUTION WITH GALAXY CLUSTERS  
eds. Stefano Borgani, Marino Mezzetti, and Riccardo Valdarnini  
ISBN: 1-58381-108-7
- Vol. CS-269      THE EVOLVING SUN AND ITS INFLUENCE ON PLANETARY ENVIRONMENTS  
eds. Benjamín Montesinos, Álvaro Giménez, and Edward F. Guinan  
ISBN: 1-58381-109-5
- Vol. CS-270      ASTRONOMICAL INSTRUMENTATION AND THE BIRTH AND GROWTH OF ASTROPHYSICS: A Symposium held in honor of Robert G. Tull  
eds. Frank N. Bash and Christopher Sneden  
ISBN: 1-58381-110-9
- Vol. CS-271      NEUTRON STARS IN SUPERNOVA REMNANTS  
eds. Patrick O. Slane and Bryan M. Gaensler  
ISBN: 1-58381-111-7

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 2002 (\* asterisk means OUT OF PRINT)**

- Vol. CS-272 THE FUTURE OF SOLAR SYSTEM EXPLORATION, 2003-2013  
Community Contributions to the NRC Solar System Exploration Decadal Survey  
ed. Mark V. Sykes  
ISBN: 1-58381-113-3
- Vol. CS-273 THE DYNAMICS, STRUCTURE AND HISTORY OF GALAXIES  
eds. G. S. Da Costa and H. Jerjen  
ISBN: 1-58381-114-1
- Vol. CS-274 OBSERVED HR DIAGRAMS AND STELLAR EVOLUTION  
eds. Thibault Lejeune and João Fernandes  
ISBN: 1-58381-116-8
- Vol. CS-275 DISKS OF GALAXIES: KINEMATICS, DYNAMICS AND PERTURBATIONS  
eds. E. Athanassoula, A. Bosma, and R. Mújica  
ISBN: 1-58381-117-6
- Vol. CS-276 SEEING THROUGH THE DUST:  
THE DETECTION OF HI AND THE EXPLORATION OF THE ISM IN GALAXIES  
eds. A. R. Taylor, T. L. Landecker, and A. G. Willis  
ISBN: 1-58381-118-4
- Vol. CS 277 STELLAR CORONAE IN THE CHANDRA AND XMM-NEWTON ERA  
eds. Fabio Favata and Jeremy J. Drake  
ISBN: 1-58381-119-2
- Vol. CS 278 NAIC–NRAO SCHOOL ON SINGLE-DISH ASTRONOMY:  
TECHNIQUES AND APPLICATIONS  
eds. Snezana Stanimirovic, Daniel Altschuler, Paul Goldsmith, and Chris Salter  
ISBN: 1-58381-120-6
- Vol. CS 279 EXOTIC STARS AS CHALLENGES TO EVOLUTION, IAU Colloquium 187  
eds. Christopher A. Tout and Walter Van Hamme  
ISBN: 1-58381-122-2
- Vol. CS 280 NEXT GENERATION WIDE-FIELD MULTI-OBJECT SPECTROSCOPY  
eds. Michael J. I. Brown and Arjun Dey  
ISBN: 1-58381-123-0
- Vol. CS 281 ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEM (ADASS) XI  
eds. David A. Bohlender, Daniel Durand, and Thomas H. Handley  
ISBN: 1-58381-124-9 ISSN: 1080-7926
- Vol. CS 282 GALAXIES: THE THIRD DIMENSION  
eds. Margarita Rosado, Luc Binette, and Lorena Arias  
ISBN: 1-58381-125-7
- Vol. CS 283 A NEW ERA IN COSMOLOGY  
eds. Nigel Metcalfe and Tom Shanks  
ISBN: 1-58381-126-5
- Vol. CS 284 AGN SURVEYS  
eds. R. F. Green, E. Ye. Khachikian, and D. B. Sanders  
ISBN: 1-58381-127-3
- Vol. CS 285 MODES OF STAR FORMATION AND THE ORIGIN OF FIELD POPULATIONS  
eds. Eva K. Grebel and Wolfgang Brandner  
ISBN: 1-58381-128-1

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 2003 (\* asterisk means OUT OF PRINT)**

- Vol. CS 286      CURRENT THEORETICAL MODELS AND HIGH RESOLUTION SOLAR OBSERVATIONS: PREPARING FOR ATST  
eds. Alexei A. Pevtsov and Han Uitenbroek  
ISBN: 1-58381-129-X
- Vol. CS 287      GALACTIC STAR FORMATION ACROSS THE STELLAR MASS SPECTRUM  
eds. J.M. De Buizer and N.S. van der Bliek  
ISBN: 1-58381-130-3
- Vol. CS 288      STELLAR ATMOSPHERE MODELING  
eds. I. Hubeny, D. Mihalas and K. Werner  
ISBN: 1-58381-131-1
- Vol. CS 289      THE PROCEEDINGS OF THE IAU 8<sup>TH</sup> ASIAN-PACIFIC REGIONAL MEETING, VOLUME 1  
eds. Satoru Ikeuchi, John Hearnshaw and Tomoyuki Hanawa  
ISBN: 1-58381-134-6
- Vol. CS 290      ACTIVE GALACTIC NUCLEI: FROM CENTRAL ENGINE TO HOST GALAXY  
eds. S. Collin, F. Combes and I. Shlosman  
ISBN: 1-58381-135-4
- Vol. CS-291      HUBBLE'S SCIENCE LEGACY: FUTURE OPTICAL/ULTRAVIOLET ASTRONOMY FROM SPACE  
eds. Kenneth R. Sembach, J. Chris Blades, Garth D. Illingworth and Robert C. Kennicutt, Jr.  
ISBN: 1-58381-136-2
- Vol. CS-292      INTERPLAY OF PERIODIC, CYCLIC AND STOCHASTIC VARIABILITY IN SELECTED AREAS OF THE H-R DIAGRAM  
ed. Christiaan Sterken  
ISBN: 1-58381-138-9
- Vol. CS-293      3D STELLAR EVOLUTION  
eds. S. Turcotte, S. C. Keller and R. M. Cavallo  
ISBN: 1-58381-140-0
- Vol. CS-294      SCIENTIFIC FRONTIERS IN RESEARCH ON EXTRASOLAR PLANETS  
eds. Drake Deming and Sara Seager  
ISBN: 1-58381-141-9
- Vol. CS-295      ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) XII  
eds. Harry E. Payne, Robert I. Jedrzejewski and Richard N. Hook  
ISBN: 1-58381-142-7
- Vol. CS-296      NEW HORIZONS IN GLOBULAR CLUSTER ASTRONOMY  
eds. Giampaolo Piotto, Georges Meylan, S. George Djorgovski and Marco Rieello  
ISBN: 1-58381-143-5
- Vol. CS-297      STAR FORMATION THROUGH TIME, A Conference to Honour Robert J. Terlevich  
eds. Enrique Pérez, Rosa M. González Delgado and Guillermo Tenorio-Tagle  
ISBN: 1-58381-144-3
- Vol. CS-298      GAIA SPECTROSCOPY: SCIENCE AND TECHNOLOGY  
ed. Ulisse Munari  
ISBN: 1-58381-145-1

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 2003 (\* asterisk means OUT OF PRINT)**

- Vol. CS-299     HIGH ENERGY BLAZAR ASTRONOMY, An International Conference held to Celebrate the 50<sup>th</sup> Anniversary of Tuorla Observatory  
eds. Leo O. Takalo and Esko Valtaoja  
ISBN: 1-58381-146-X
- Vol. CS-300     RADIO ASTRONOMY AT THE FRINGE, A Conference held in honor of Kenneth I. Kellermann, on the occasion of his 65<sup>th</sup> Birthday  
eds. J. Anton Zensus, Marshall H. Cohen and Eduardo Ros  
ISBN: 1-58381-147-8
- Vol. CS-301     MATTER AND ENERGY IN CLUSTERS OF GALAXIES  
eds. Stuart Bowyer and Chorng-Yuan Hwang  
ISBN: 1-58381-149-4
- Vol. CS-302     RADIO PULSARS, In celebration of the contributions of Andrew Lyne, Dick Manchester and Joe Taylor – A Festschrift honoring their 60<sup>th</sup> Birthdays  
eds. Matthew Bailes, David J. Nice and Stephen E. Thorsett  
ISBN: 1-58381-151-6
- Vol. CS-303     SYMBIOTIC STARS PROBING STELLAR EVOLUTION  
eds. R. L. M. Corradi, J. Mikołajewska and T. J. Mahoney  
ISBN: 1-58381-152-4
- Vol. CS-304     CNO IN THE UNIVERSE  
eds. Corinne Charbonnel, Daniel Schaerer and Georges Meynet  
ISBN: 1-58381-153-2
- Vol. CS-305     International Conference on MAGNETIC FIELDS IN O, B AND A STARS: ORIGIN AND CONNECTION TO PULSATION, ROTATION AND MASS LOSS  
eds. Luis A. Balona, Huib F. Henrichs and Rodney Medupe  
ISBN: 1-58381-154-0
- Vol. CS-306     NEW TECHNOLOGIES IN VLBI  
ed. Y. C. Minh  
ISBN: 1-58381-155-9
- Vol. CS-307     SOLAR POLARIZATION 3  
eds. Javier Trujillo Bueno and Jorge Sanchez Almeida  
ISBN: 1-58381-156-7
- Vol. CS-308     FROM X-RAY BINARIES TO GAMMA-RAY BURSTS  
eds. Edward P. J. van den Heuvel, Lex Kaper, Evert Rol and Ralph A. M. J. Wijers  
ISBN: 1-58381-158-3

### **PUBLISHED: 2004**

- Vol. CS-309     ASTROPHYSICS OF DUST  
eds. Adolf N. Witt, Geoffrey C. Clayton and Bruce T. Draine  
ISBN: 1-58381-159-1
- Vol. CS-310     VARIABLE STARS IN THE LOCAL GROUP, IAU Colloquium 193  
eds. Donald W. Kurtz and Karen R. Pollard  
ISBN: 1-58381-162-1
- Vol. CS-311     AGN PHYSICS WITH THE SLOAN DIGITAL SKY SURVEY  
eds. Gordon T. Richards and Patrick B. Hall  
ISBN: 1-58381-164-8

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 2004 (\* asterisk means OUT OF PRINT)**

- Vol. CS-312 Third Rome Workshop on GAMMA-RAY BURSTS IN THE AFTERGLOW ERA  
eds. Marco Feroci, Filippo Frontera, Nicola Masetti and Luigi Piro  
ISBN: 1-58381-165-6
- Vol. CS-313 ASYMMETRICAL PLANETARY NEBULAE III: WINDS, STRUCTURE AND THE THUNDERBIRD  
eds. Margaret Meixner, Joel H. Kastner, Bruce Balick and Noam Soker  
ISBN: 1-58381-168-0
- Vol. CS 314 ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS (ADASS) XIII  
eds. Francois Ochsenbein, Mark G. Allen and Daniel Egret  
ISBN: 1-58381-169-9 ISSN: 1080-7926
- Vol. CS 315 MAGNETIC CATAclysmic VARIABLES, IAU Colloquium 190  
eds. Sonja Vrielmann and Mark Cropper  
ISBN: 1-58381-170-2
- Vol. CS 316 ORDER AND CHAOS IN STELLAR AND PLANETARY SYSTEMS  
eds. Gene G. Byrd, Konstantin V. Kholshchevnikov, Aleksandr A. Mylläri,  
Igor I. Nikiforov and Victor V. Orlov  
ISBN: 1-58381-172-9
- Vol. CS 317 MILKY WAY SURVEYS: THE STRUCTURE AND EVOLUTION OF OUR GALAXY, The 5<sup>th</sup> Boston University Astrophysics Conference  
eds. Dan Clemens, Ronak Shah and Tereasa Brainerd  
ISBN: 1-58381-177-X

Ordering information is available at the beginning of the listing

ISBN 1-58381-171-0



9 0000

9 781583 811719