

ISI ASTROSTATISTICS NETWORK

Membership Registry

19Feb2010

1. ASTRONOMY/ASTROPHYSICS

ANDREON, Stefano ITALY email: stefano.andreon@brera.inaf.it
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Prof of Bayesian Methods, Universita' degli Studi di Padova <http://www.brera.mi.astro.it/~andreon>
Universita' dell'Insubria tel.+39-02-72320324
RESEARCH INTERESTS: Bayesian parameter estimation methods applied to cosmological issues
<http://www.cambridge.org/uk/catalogue/catalogue.asp?isbn=9780521887946>
http://www.brera.mi.astro.it/~andreon/inference/Bayesian_primer_for_astronomers.html

ARENOU, Frederic FRANCE email: Frederic.Arenou@obspm.fr
GÉPI / CNRS UMR 8111 <http://wwwwhip.obspm.fr/~arenou>
Observatoire de Paris, 5 Place Jules Janssen Tel: 33 1 45 07 78 49
92190 Meudon, France
RESEARCH INTERESTS: primary areas of astrostatistical interest: calibration of
astrophysical quantities, exploration of large data sets

ARNAUD, Keith A. US email: keith.arnaud@nasa.gov
CRESST, Goddard Space Flight Center, and
Dept of Astronomy, Univ. of Maryland
RESEARCH INTERESTS: High energy astrophysics and computational astrostatistics

BARET, Bruny FRANCE e-mail: baret@in2p3.fr
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University Paris 7 10 rue Alice Domon et Léonie Duquet Fax +33 1 57 27 60 71
75205 Paris Cedex 13
and
Astroparticules & Cosmologie, CNRS/in2p3 Paris, France
RESEARCH INTERESTS: High energy astrophysics and extensively using statistics.
Research field: High energy astrophysics, high energy neutrino telescopes, statistical tools
for the search of astrophysical neutrino pointlike sources.

BASSETT, Bruce (E) SOUTH AFRICA email: bruce.a.bassett@gmail.com
Prof and Research Astronomer,
Dept Mathematics and Applied Mathematics,
Univ of Cape Town, Rondebosch 7701 S Africa, and
South African Astronomical Observatory, Cape Town
South Africa Nat. Astrophysics & Space Science Programme
RESEARCH INTERESTS: cosmological constraints on axion-photon mixing;
supernova survey; galaxy clustering; public education in astronomy

BORNE, Kirk (E) USA email: kborne@gmu.edu
Assoc Prof of Astrophysics and Computational Science http://classweb.gmu.edu/kborne/
Department of Computational and Data Sciences Tel: +1 703-993-8402
George Mason Univ, 4400 University Drive, MS 6A2, Fairfax, VA 22030 USA FAX: +1 703-993-9300

RESEARCH INTERESTS: galaxy dynamics and evolution,
sky surveys, scientific data mining, data and information sciences

CAMPANELLA, Giammarco UK email: g.campanella@qmul.ac.uk
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Queen Mary Univ of London http://www.maths.qmul.ac.uk/~campanella/
327 Mile End Rd, London, E1 4NS, UK

RESEARCH INTERESTS: codes to solve transiting exoplanet light curve;
lightcurve data analysis, exoplanet IR observations and dynamics of Planetary Systems

CHATTOPADHYAY, Tanuka INDIA email: tanuka@iucaa.ernet.in
Dept of Applied Math, Calcutta Univ
RESEARCH INTERESTS: Globular clusters, Galaxy form.,
Gamma Ray Burst, LMXray

FEIGELSON, Eric D. (E) USA email: edf@astro.psu.edu
Assoc Director, Penn State Center for Astrostatistics Tel: 814- 865-0162
Prof of Astronomy and Astrophysics FAX: 814-863- 3399
Dept Astronomy & Astrophysics, Pennsylvania State Univ http://www.astro.psu.edu/users/edf
525 Davey Laboratory, University Park PA 16802 USA
RESEARCH INTERESTS: astrostatistics, statistics education for astronomy,
X-ray astronomy, star and planet formation

FRAIX-BURNET, Didier FRANCE email: fraix@ujf-grenoble.fr
Researcher, CNRS http://www-laog.obs.ujf-grenoble.fr/public/fraix
Laboratoire d'Astrophysique de Grenoble http://www-laog.obs.ujf-grenoble.fr/
BP53, 38041 Grenoble cedex 9 tele: +33 4 76 63 57 27
RESEARCH INTEREST: cladistics, galaxies, evolution FAX: +33 4 76 44 88 21
diversification, classification

GREGORY, Phil CANADA email: gregory@phas.ubc.ca
Prof Emeritus, Dept of Physics and Astronomy Tel: 604-947-9046
Univ of British Columbia, 6224 Agricultural Rd
Vancouver, BC V6T 1Z1 Canada
RESEARCH INTERESTS: Exoplanets; Bayesian periodogram development;
Bayesian model fitting with a Hybrid MCMC

GUILLOT, Tristan FRANCE email: tristan.guillot@oca.eu
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RESEARCH INTERESTS fax: +33 (0)4 92 00 31 21
Collaboration with other researchers in the econometry as applied to extrasolar planets (see Fressin,
Guillot & NESTA A&A 2009)

HLOZEK, Renee UK email: renee.hlozek@astro.ox.ac.uk
Dept of Astrophysics http://www-astro.physics.ox.ac.uk/~Hlozek/
University of Oxford, Oxford, UK
RESEARCH INTERESTS : Cosmology, Bayesian parameter estimation,
Large datasets, Fisher information methods

KASHYAP, Vinay USA email: vkashyap@cfa.harvard.edu
High-Energy Astrophysics Division, vlk.astro@gmail.com
Harvard-Smithsonian Center for Astrophysics
RESEARCH INTERESTS: solar and stellar coronal astrophysics

KOEN, Marthinus Chris SOUTH AFRICA email: ckoen@uwc.ac.za
Prof statistics and astronomy, private bag X17
Univ of the Western Cape, Bellville, ZA7535, Cape, SA
RESEARCH INTERESTS: variable star analysis; gamma ray bursts

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RESEARCH INTERESTS: galaxy formation and cosmology.

NEWLING, James SOUTH AFRICA email: james.newling@gmail.com
Dept of Astronomy and Astrophysics,
University of Cape Town, Cape Town, SA
RESEARCH INTERESTS: all aspects of statistics applied in astronomy.

NOLAN, Louisa A. UK email: lousianolan@googlemail.com
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RESEARCH INTERESTS: stellar populations in early-type galaxies, data-mining, official statistics

OKOUMA, Patrice M. SOUTH AFRICA email : patrice.okouma@uct.ac.za
Dept of Astronomy and Astrophysics
University of Cape Town (UCT), and
South African Astronomical Observatory (SAAO)
RESEARCH INTERESTS : Dark energy characterization,
statistical methods for Cosmology, dark matter.

PAGE, Clive UK email: cgp@le.ac.uk
X-ray astronomy group, Dept Physics and Astronomy
Univ of Leicester, Leicester, UK
RESEARCH INTERESTS: X-ray astronomy, AstroGrids,
data mining and database management

PANARETOS, Victor (E) SWITZERLAND email: victor.panaretos@epfl.ch
Ast Professor of Mathematical Statistics <GREECE> http://smat.epfl.ch
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RESEARCH INTERESTS: geometrical statistics and stochastic geometry, statistical inverse problems,
functional data analysis, inference for stochastic processes, mathematical biology.

PEREZ-TORRES, Miguel A. SPAIN email: torres@iaa.es
Instituto de Astrofísica de Andalucía (IAA-CSIC),
Granada, Spain
RESEARCH INTEREST: Surveys of local and high-z starburst galaxies;
surveys of high-z radio galaxies

PONMAN, Trevor UK email: tjp@star.sr.bham.ac.uk
Astrophysics and Space Research Group http://www.ph.bham.ac.uk/
Schol of physics-Astronomy, Univ of Birmingham Tel: 0121 414 6448
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RESEARCH INTERESTS; extragalactic astrophysics; large scale structure

PTAK, Andrew USA email: ptak@pha.jhu.edu
Research Scientist, Dept of Physics and Astronomy, Tel: 410-516-4907
Bloomberg 533, Johns Hopkins Univ., Baltimore, MD FAX: 410-516-5096
RESEARCH INTERESTS: wide-area surveys, http://www.pha.jhu.edu/~ptak
X-ray astronomy with emphasis on starburst galaxies and
active galactic nuclei; scientific programming and automated
data analysis; Bayesian statistical methods

RAYCHAUDHURY, Somak UK somak@star.sr.bham.ac.uk
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http://www.sr.bham.ac.uk/~somak/res/somak_res_algorithms.html tel: +44 (0)121 414 6474
RESEARCH INTERESTS: fax +44 (0)121 414 3722
galaxy clusters and superclusters, gravitational lensing, observational cosmology
Astrostatistics: Bayesian methods, Independent Component analysis, Kernel regression,
Support vector machines, latent variable models.

RÖVER, Christian (E) GERMANY email: christian.roever@aei.mpg.de
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(Albert-Einstein-Institut) Tel: +49 511 762 19466
Callinstraße 38, 30167 Hannover Fax: +49 511 762 2784
RESEARCH INTERESTS: Gravitational wave data analysis,
Bayesian methods, signal processing.

SAKANO, Masaaki "Masa" UK email: mas@star.le.ac.uk
X-ray astronomy group, Dept. Physics & Astronomy, tel: +44 (0)116 223 1890
Univ. of Leicester, University Rd, Leicester LE1 7RH, UK FAX +44 (0)116 252 3311
RESEARCH INTERESTS: Large catalogue analysis, mainly in X-rays;
source detection; deconvolution; small-number statistics.

2. STATISTICS

BABU, G Jogesh (E) USA babu@stat.psu.edu
http://astrostatistics.psu.edu/
Director, Penn State Center for Astrostatistics, and
Prof Statistics, Dept of Statistics, 417C Thomas Bldg,
Pennsylvania State Univ, University Park, PA 16802-2111
RESEARCH INTERESTS: resampling methods, nonparametric methods;
multivariate methods for satellite data on Gamma-ray bursts; quantitative
comparison of source properties to compare data with astrophysical theories
and regression methods to calibrate steps in the cosmic distance ladder.

FABRIS-ROTELLI, Inger SOUTH AFRICA email: inger.fabris-rotelli@up.ac.za
Tel: (012) 420-5420
Dept of Statistics, Office IT 6-22
Univ of Pretoria, Pretoria, South Africa
RESEARCH INTERESTS: Statistics in Image Processing

FREEMAN, Peter USA email: pfreeman@cmu.edu
Dept of Statistics, Carnegie Mellon Univ
5000 Forbes Ave, Pittsburgh, PA 15213
RESEARCH INTERESTS: astrostatistical algorithmic development,
in particular machine learning techniques for source detection and data reparameterization

GENOVESE, Christopher R. USA email: genovese@cmu.edu
Tel: 412 268-7836
5000 Forbes Ave, Pittsburgh, PA 15213 Fax: 412 268-7828
RESEARCH INTERESTS: nonparametric inference, inverse problems;
complex and high-dimensional data analysis; regression and classification;
multiple testing; image analysis; cosmology

HAND, David J. (E) UK email: d.j.hand@imperial.ac.uk
Tel: +44(0) 20-75848521
Prof of Statistics, Dept of Mathematics, Imperial College,
S Kensington Campus, London, SW7 2AZ, UK
President, Royal Statistical Society (since 2008)
RESEARCH INTERESTS: pattern recognition; classification methods;
data mining; artificial intelligence

HILBE, Joseph M (E-Chair) USA email: Hilbe@asu.edu
email: j.m.hilbe@gmail.com
Chair, ISI Astrostatistics Committee & Network
Solar System Ambassador, Jet Propulsion Laboratory, Caltech
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7242 W. Heritage Way, Florence, AZ 85132
RESEARCH INTERESTS: count models; discrete response models;
models for longitudinal and clustered data; data mining; artificial intelligence

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Head of Department; Professor of Statistics,
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RESEARCH INTERESTS: Statistical graphics; astrostatistics

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 Dept of Statistics, Univ of California, Davis
 RESEARCH INTERESTS: solar imaging

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 RESEARCH INTERESTS: pulsar detection, occultation surveys, multiple testing, machine learning

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 Former college post-doc & Prof, Univ Minnesota, Cell: 918-809-5387
 Univ Iowa, Eastern Nazarene Coll, and ORU Medical School FAX: 918-749-2217
 RESEARCH INTERESTS: Applying modern Predictive Analytics statistical techniques to stars,
 galaxies, and cosmology to gain highly accurate descriptive and predictive models of reality.

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 Institute for Maritime Technology,
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 Rondebosch, S Africa; South African Astronomical Observatory
 RESEARCH INTERESTS: data mining; general astronomical research

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 RESEARCH INTERESTS: data mining

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 RESEARCH INTERESTS: Spatial statistics, random fields FAX +61 (0)3 9479 2466
 and processes, wavelets, Shannon sampling theory

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 Prof Statistics & Probability tel: +30-210-8210509
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 76 Patission St, 104 34 Athens
 RESEARCH INTERESTS: discrete distributions; response surface methods

SUMMARY STATISTICS

19Feb 2010

MEMBERSHIP DISCIPLINE

Astronomy/Astrophysics	= 34	Statistics/Astrostatistics	= 23
Total	= 57		

NATION

16 USA
14 UK
9 South Africa
4 France
2 Greece
2 China
2 Canada
1 Australia, India, Mauritius, Germany, Spain, Switzerland, Italy, Sweden

CONTINENTAL REPRESENTATION

25 Europe	18 N America
10 Africa	3 Asia
1 Australia	0 S America