

REPORT ON THE RADIONET3 NETWORKING ACTIVITY

TITLE: THE RADIO UNIVERSE @ GER'S WAVELENGTH

DATE: 4-7 NOV 2013

TIME: 3.5 DAYS

LOCATION: *GRONINGEN, THE NETHERLANDS*

MEETING WEBPAGE <http://www.astron.nl/gerfeest>

HOST INSTITUTE: *UNIVERSITY OF GRONINGEN AND ASTRON*

PARTICIPANTS NO: *106*

MAIN LEADERS: *PROF S. ZAROUBI AND PROF R. MORGANTI*

REPORT:

1. Programme of the meeting

Attached.

2. Scientific Summary

Radio astronomy at very low frequencies is currently undergoing a major revolution. A number of radio interferometers have been recently built/upgraded (e.g., LOFAR, MWA, GMRT) or under planning (SKA) that will explore the Universe at low frequencies in unprecedented sensitivity, resolution and field of view. These images facilitate the exploration of a large number of astronomical fields. In addition, achieving such high quality deep images requires the development of novel and powerful radio interferometry techniques. During this year the LOFAR telescope has started taking very deep and high quality images of the radio sky at $\sim 2-4$ meters wavelength. These data together with other radio and optical data allow the study of a number of exciting topics, which will be the focus of this conference.

This year will also mark the 65th birthday of Prof. Ger de Bruyn who has been a leading figure in radio astronomy in the last few decades and has been instrumental in the development of LOFAR, especially the LOFAR-EoR key science project. This conference is also planned as a celebration of his scientific career and achievements. Therefore, the topics of the conference have also been chosen to coincide with his scientific interests, which naturally fit into the topic of high quality imaging in the radio Universe.

In particular the conference will focus on the following topics: (i) The Epoch of Reionization (EoR); (ii) Galactic and Extragalactic Foreground Emission (Synchrotron, Galactic magnetism, EoR foregrounds in general, AGNs, Radio Giants, DDRGs, Variability, BLRs.); (iii) Surveys at Low Radio Frequencies; and (iv) Foundations of Radio Astronomy (Faraday Rotation Measure Synthesis, Scintillation, Calibration of Radio interferometers, RFI mitigation, Radio arrays design in general).

In total 106 participants attended the conference: 67.9% from the Netherlands, 7.5% from other EU countries, 10.3% from Canada and USA, 2.8% from South Africa, 6.6% from Australia and New Zealand, 2.8% from India, and 2.1% from China and Japan. The fraction of students and young researchers was 38.7% and the fraction of female participants was 17%.



3. Attendance list (incl. participant names, affiliation and country) signed by the participants and confirmed by the organizer

Attached to this form.

4. Financial Report / RadioNet3 contribution

RadioNet3 contribution is 2500 EUR, which covers ~7% of the costs of the conference.

RadioNet3 contribution is used in the following way:

- 1) 1600 EUR for invited speakers (travel/accommodation costs)
 - Benedetta Ciardi (MPA, Germany): 500 EUR
 - Richard Schilizzi (University of Manchester, UK): 500 EUR
 - Maaijke Haverkorn (University of Nijmegen, NL): 300 EUR
 - Huib Rottgering (University of Leiden, NL): 300 EUR
- 2) 800 EUR for conference dinner (10 x 80 EUR)
 - Benedetta Ciardi (MPA, Germany): invited speaker
 - Richard Schilizzi (University of Manchester, UK): invited speaker
 - Maaijke Haverkorn (University of Nijmegen, NL): invited speaker
 - Huib Rottgering (University of Leiden, NL): invited speaker
 - George Heald (ASTRON, NL): invited speaker
 - Thijs van der Hulst (University of Groningen, NL): invited speaker
 - Jan Nordam (ASTRON, NL): SOC member
 - Peter Barthel (University of Groningen, NL): LOC member
 - Michiel Brentjens (ASTRON, NL): LOC member
 - Wim Brouw (University of Groningen and ASTRON, NL): LOC member
- 3) 100 EUR for logistic expenses

5. Conference Proceedings and Web page

We will not publish Conference Proceedings.

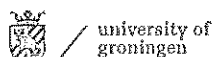
Presentations will be available on the conference website: <http://www.astron.nl/gerfeest>

The Radio Universe @ Ger's (wave)-length

4-7 November 2013
Groningen, the Netherlands

Organizing Institutes

ASTRON



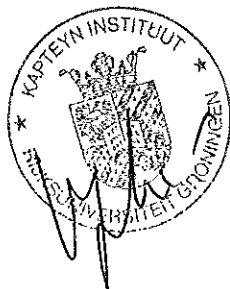
Sponsors



KNAW



NWO



Conference Programme

Conference Venue: "Blauwe Zaal", Building 5412, Zernike Campus, University of Groningen, Groningen

Abstracts: [please click here](#)

Last update: 05 November 2013

Sunday

17:00 - 20:00

Welcome Reception and Registration
at Prinsenhof Grand Cafe, Martinikerkhof 23, Groningen.

Monday

Registration

9:00 - 10:30

Registration with Coffee/Tea

Welcome

Welcome by Michael Garrett (ASTRON) and Thijs van der Hulst (Kapteyn, RuG)

1. Low Frequency Sky Surveys

Chair:

10:40 - 11:10 25+5 **Huib Rottgering**

Radio surveys of the extra galactic sky

11:10 - 11:35 20+5 **George Heald**

The LOFAR Multifrequency Snapshot Sky Survey (MSSS): Status and Results

11:35 - 12:05 25+5 **Jayaram Chengalur**

Absorption Studies of High Redshift Galaxies

12:05 - 12:30 20+5 **Ravi Subrahmanyan**

The Cosmic Radio Background

Lunch Break

Chair:

1. Low Frequency Sky Surveys (cont.)

13:30 - 13:50 15+5 **Natasha Hurley-Walker**

GLEAM: The GaLactic and Extragalactic MWA Survey

13:50 - 14:20 25+5 **Thijs van der Hulst**

HI in galaxies

2. AGNs and transients

Chair:

14:20 - 14:50 25+5 **Christopher O'Dea**

There and Back Again: Duty Cycles of Active Galactic Nuclei

14:50 - 15:10 15+5 **Raffaella Morganti**

A multifaceted study of the LH: from HI to LOFAR

15:10 - 15:40

Coffee / tea

2. AGNs and transients (cont.)

Chair:

15:40 - 16:00 15+5 **Aleksander Shulevski**

AGN radio relics in the LOFAR sky

16:00 - 16:30 25+5 **Jean-Pierre Macquart**

Tripping the Light Fantastic with an Intra-Hour Variable Quasar

16:30 - 16:50 15+5 **Mark Walker**

Sgr A* eats G2 - Implications for scintillations

Tuesday

3. Galactic and extragalactic radio emission

Chair:

9:00 - 9:20 15+5 **Colin Norman**

Diffuse radio emission in clusters: Entropy, magnetic fields and ultra-high energy cosmic rays

9:20 - 9:40 15+5 **Luke Hindson**

MWA observations of cluster scale non-thermal emission: the case of A3667

9:40 - 10:10 25+5 **Marijke Haverkorn**

The magnetic milky way, seen through rotation measure synthesis

10:10 - 10:30 15+5 **Vibor Jelic**

Galactic polarized emission detected in the LOFAR-EoR observing windows

10:30 - 11:00

Coffee / tea

3. Galactic and extragalactic radio emission (cont.)

Chair:

11:00 - 11:20 15+5 **Raymond Oonk**

Low-frequency Galactic Recombination Lines

11:20 - 11:40 15+5 **Leah Morabito**

Recombination lines studies with LOFAR

11:40 - 12:00 15+5 **Leonid Gurvits**

Space VLBI at Ger's waves

12:00 - 12:20 15+5 **Dan Stinebring**

Pulsar interference patterns and interstellar delays

12:20 - 12:40 15+5 **Namir Kassim**

Resolved thermal absorption: Characterizing the unshocked ejecta in the young SNR Cas A

Lunch Break

14:00 - 14:20 15+5 **Colin Lonsdale**

Solar Imaging and Space Weather using the MWA and the RAPID system

4. Foundations of Radio Astronomy

Chair:

14:20 - 14:40 15+5 **Stefano Bontempi**

Mid-frequency radio emission: The case of radio galaxies

14:20 - 14:40	15+5	<i>Lise van Bemmel</i>	Low-frequency aperture arrays: the future of radio astronomy	
14:40 - 15:00	15+5	<i>Oleg Smirnov</i>	Ghostbusted	
15:00 - 15:20	15+5	<i>Folkert Huizinga</i>	Computational challenges of the AARTFAAC all-sky monitor	
15:20 - 15:40	15+5	<i>Yvette Cendes</i>	A Modified RFI Flagging for Transient Radio Signals	
15:40 - 16:10			<i>Coffee / tea</i>	
4. Foundations of Radio Astronomy (cont.)				Chair:
16:10 - 16:30	15+5	<i>Alle-Jan van der Veen</i>	Spatial filtering of wideband RFI at LOFAR stations	
16:30 - 16:50	15+5	<i>Andre Offringa</i>	The MWA and the EoR, RFI and a new imaging algorithm.	
16:50 - 17:10	15+5	<i>Jianfeng Zhou</i>	Statistical Evaluation of Various Image Deconvolution Algorithms	
Conference Reception at Academiegebouw, Broerstraat 5.				
18:30 - 20:30	This reception is offered to you by the University of Groningen, the Municipality of Groningen and the Province of Groningen.			

Wednesday

4. Foundation of Radio Astronomy (Cont.)				Chair:
9:00 - 9:20	15+5	<i>Michiel Brentjens</i>	RM synthesis, 9 years later	
9:20 - 09:40	15+5	<i>Dominic Schnitzeler</i>	Modelling compact sources using RM synthesis	
09:40 - 10:00	15+5	<i>Tony Willis</i>	Prediction and Correction of Ionospheric Rotation Measures with the ALBUS Software package	
10:00 - 10:20	15+5	<i>Tom Oosterloo</i>	CHILES: The COSMOS HI Large Extragalactic Survey	
10:20 - 11:00			<i>Coffee / tea</i>	
4. Foundation of Radio Astronomy (Cont.)				Chair:
11:00 - 11:30	25+5	<i>Rick Perley</i>	High Dynamic Range Imaging	
11:30 - 11:50	15+5	<i>Vishambhar Pandey</i>	High Dynamic Range Imaging of the 3C196 Field with LOFAR	
11:50 - 12:10	15+5	<i>Sarod Yatawatta</i>	Deep Widefield Interferometry of the NCP	
12:10 - 12:30	15+5	<i>Soobash Dalboo</i>	Tomography of the Ionosphere with LOFAR	

Lunch Break

Free Afternoon or trip to Vesting Bourtange

Meeting point for busses in front of the conference venue at 14:00

Conference Dinner at "De Plaats Melkema".

Meeting point for busses in front of Martini-Tower at 18:30

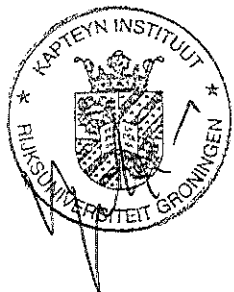
Thursday

5. Intensity mapping of The Epoch of Reionization				Chair:
9:00 - 9:30	25+5	<i>Benedetta Ciardi</i>	The Epoch of Reionization: Theoretical Overview	
9:30 - 9:50	15+5	<i>Elizabeth Fernandez</i>	Cross-correlations: Leading to a Greater Understanding of the High Redshift Universe	
9:50 - 10:10	15+5	<i>Gianni Bernardi</i>	The Large-aperture Experiment to detect the Dark Ages	
10:10 - 10:40	25+5	<i>Ue-Li Pen</i>	21cm Intensity mapping	
10:40 - 11:10			<i>Coffee / tea</i>	
5. Intensity mapping of The Epoch of Reionization (cont.)				Chair:
11:10 - 11:40	25+5	<i>Frank Briggs</i>	The Epoch of Reionization: Observational Overview	
11:40 - 12:00	15+5	<i>Cathryn Trott</i>	Observing the Epoch of Reionization with Low-Frequency Arrays	
12:00 - 12:20	15+5	<i>Jonathan Pober</i>	Recent Results on Cosmic Reionization from PAPER	
12:20 - 12:40	15+5	<i>Harish Vedantham</i>	Measuring the 21-cm global signal with an Interferometer	
Lunch Break				
5. Intensity mapping of The Epoch of Reionization (cont.)				Chair:
14:00 - 14:20	15+5	<i>Ajinkya Patil</i>	Constraining the epoch of reionization with variance statistic	
14:20 - 14:40	15+5	<i>Saleem Zaroubi</i>	The Epoch of Reionization project: Analysis of the LOFAR EoR data	
14:40 - 15:00	15+5	<i>Abhik Ghosh</i>	Epoch of Reionisation: Analysis of Maximum likelihood Inversion on NCP	
6. Future prospects				Chair:
15:00 - 15:30	25+5	<i>Richard Schilizzi</i>	The Square Kilometre Array	
15:30 - 16:00			<i>Coffee / tea</i>	
16:00 - 17:00	45+15	<i>Ger de Bruyn</i>	The Radio Universe @ Ger's (wave)-length	

Participants list Gerfeest

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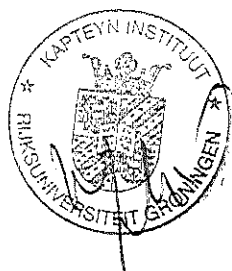
For event "All" there are 106 participants



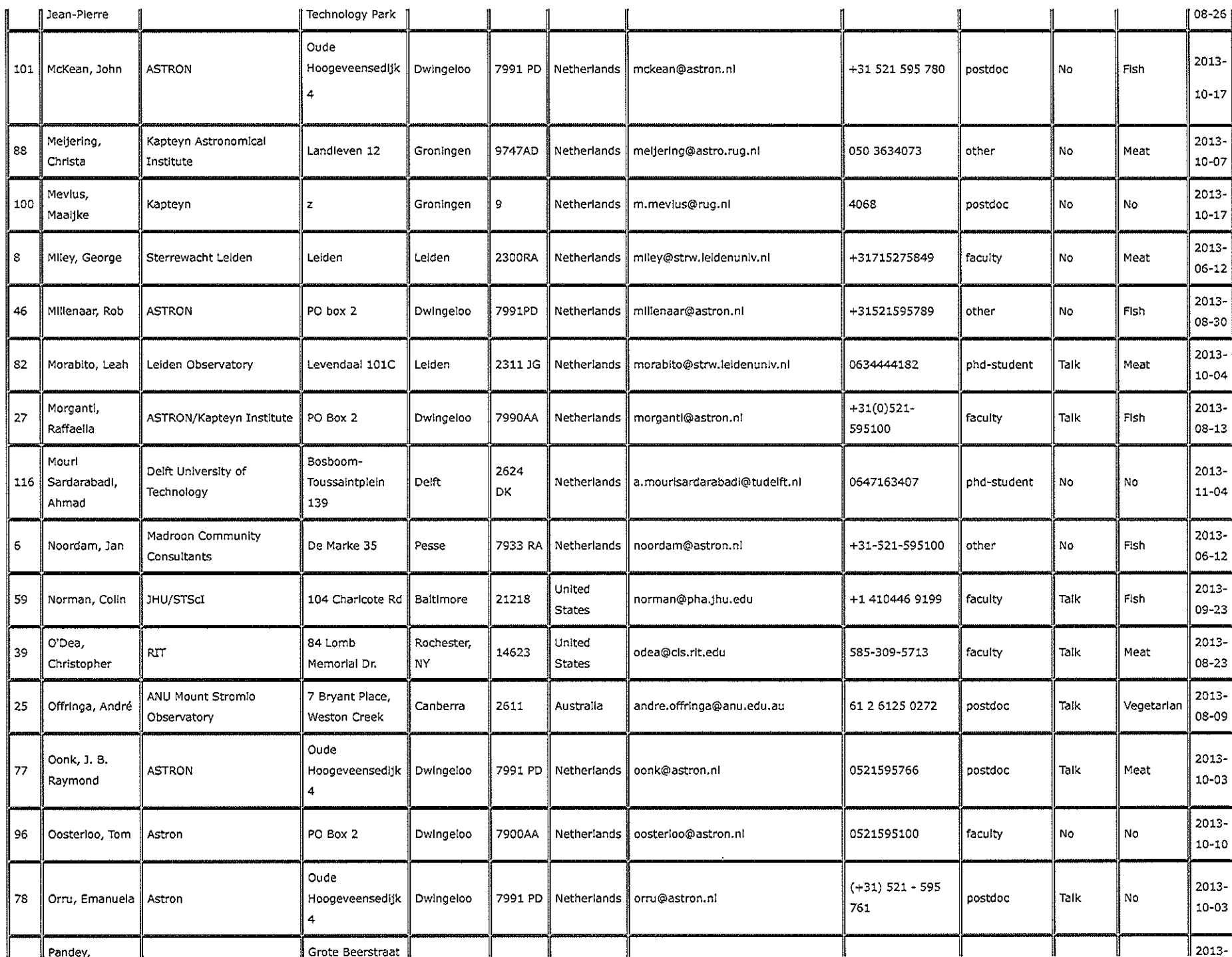
Nr.	Name	Institute	Address	City	Postal Code	Country	Email	Phone	Position	Abstract	Dinner	Reg. Date
111	Abdalla, Filipe	UCL	Gower Place	London	wc1e6bt	United Kingdom	fba@star.ucl.ac.uk	+442076793499	faculty	No	Meat	2013-10-20
81	Adams, Betsey	ASTRON	Nassaustraet 6B	Groningen	9717 CT	Netherlands	adams@astron.nl	0657716277	postdoc	No	Vegetarian	2013-10-04
37	Alexander, Paul	University of Cambridge	Cavendish Laboratory, JJ Thomson Avenue	Cambridge	CB30HE	United Kingdom	pa@mrao.cam.ac.uk	+441223337477	faculty	Talk	Meat	2013-08-23
98	Asad, Khan Muhammad Bin	Kapteyn Astronomical Institute	Kamerlingh Onnesstraat 80	Groningen	9727HP	Netherlands	khan@astro.rug.nl	0659624871	phd-student	No	No	2013-10-14
115	Bagetakos, Ioannis	Kapteyn Astronomical Institute	Landleven 12	groningen	9747 AD	United Kingdom	i.bagetakos@gmail.com	447926747678	postdoc	No	No	2013-11-03
97	BARTHEL, Peter	Kapteyn Institute	POB 800	Groningen	9700 AV	Netherlands	pdb@astro.rug.nl	+31503634064	faculty	No	Fish	2013-10-12
26	Bernardi, Gianni	SKA SA	Park Road, Pinelands	Cape Town	7405	South Africa	gbernardi@ska.ac.za	+27847501774	faculty	Talk	Meat	2013-08-13
105	Beygu, Burcu	Kapteyn Institute	PO Box 72	Groningen	9700 AB	Netherlands	beygu@astro.rug.nl	+31 (0)50 363 4087	phd-student	No	No	2013-10-17
67	Boland, Wilfried	NOVA	Niels Bohrweg 2	Leiden	2333CA	Netherlands	quilst@strw.leidenuniv.nl	071-5275835	faculty	No	Meat	2013-10-01
103	Bos, Patrick	Kapteyn Astronomical Institute	Landleven 12	Groningen	9747AD	Netherlands	pbos@astro.rug.nl	0610795874	phd-student	No	No	2013-10-17
65	Brentjens, Michiel	Astron	Oude Hoogeveensedijk 4	Dwingeloo	7991 PD	Netherlands	brentjens@astron.nl	+31 521 595 781	faculty	Talk	Meat	2013-09-30
91	Briggs, Frank	The Australian National University	Mount Stromlo Observatory	Weston	2611	Australia	frank.briggs@anu.edu.au	+61-2-6125-8036	faculty	Talk	Fish	2013-10-09
34	Brouw, Wim	Kapteyn Astronomical Institute	Ripkampenweg 5	Zwiggelte	9433 PH	Netherlands	wbrouw@planet.nl	+31593331150	other	No	Meat	2013-08-22



95	Bus, Sander	Kapteyn astronomical Institute	Briljantstraat 97	Groningen	9743ND	Netherlands	sanbus@astro.rug.nl	0641735044	phd-student	No	Fish	2013-10-10
76	Cegłowski, Maciej	Torun Centre for Astrophysics	Grudziądzkiej 5/7	Torun	87-100	Poland	cegłowski@astri.uni.torun.pl	+48516552680	phd-student	Talk	Meat	2013-10-03
72	Cendes, Yvette	University of Amsterdam	Postbus 94249	Amsterdam	1090 GE	Netherlands	yvette.cendes@gmail.com	0629604950	phd-student	Talk	Meat	2013-10-02
30	chauke, priscilla	University of Cape Town	4 Oosterzee Heights, Bishops court	Cape Town	7701	South Africa	priscilla.chk@gmail.com	0764840987	undergraduate	Poster	Fish	2013-08-17
66	Chengalur, Jayaram	NCRA-TIFR	NCRA-TIFR, Pune University Campus	Pune	411007	India	chengalur@ncra.tifr.res.in	91-20-25719248	faculty	Talk	Vegetarian	2013-10-01
36	Ciardi, Benedetta	Max Planck Institute for Astrophysics	Karl-Schwarzschild-Str. 1	Garching	85748	Germany	ciardi@mpa-garching.mpg.de	004989300002018	faculty	Talk	Fish	2013-08-23
11	Cornet, Gerard	SRON	Sorbonnelaan 2	Utrecht	3584 CA	Netherlands	g.cornet@srn.nl	0887775702	other	No	No	2013-06-13
47	Dalboo, Soobash	Kapteyn Astronomical Institute	Landleven 12	Groningen	9747 AD	Netherlands	soobash@astro.rug.nl	+31 50363 3487	postdoc	Talk	Fish	2013-08-30
32	de Bruyn, Ger	ASTRON & Kapteyn Institute	Postbus 2	Dwingeloo	7990 AA	Netherlands	ger@astron.nl	31-521-595787	faculty	No	Meat	2013-08-21
62	Donevskl, Darko	Leiden Observatory	Niels Bohrweg 2	Leiden	2333	Netherlands	donevski@strw.leidenuniv.nl	+38163515191	phd-student	No	Meat	2013-09-26
90	Falcke, Heino	Radboud University Nijmegen/ASTRON/MPIfRA	PO Box 9010	Nijmegen	6500 GL	Netherlands	h.falcke@astro.ru.nl	0049-15123040365	faculty	No	Meat	2013-10-08
56	Fernandez, Elizabeth	Kapteyn Astronomical Institute	Landleven 12	Groningen	9747AD	Netherlands	fernandez@astro.rug.nl	+31-50-3634057	postdoc	Talk	Meat	2013-09-10
102	Filippo, Maccagni	ASTRON/Kapteyn	plutolaan 22	Groningen	9742GR	Netherlands	maccagni@astro.rug.nl	0644591532	phd-student	No	Meat	2013-10-17
12	Garrett, Michael Albert	ASTRON	Oude Hoogeveensedijk 4	Dwingeloo	7991 PD	Netherlands	dijk@astron.nl	+31521595119	other	No	Fish	2013-06-13
54	Ghosh, Abhik	Kapteyn Astronomical Institute	University of Groningen	Groningen	9700 AV	Netherlands	ghosh@astro.rug.nl	0630136476	postdoc	Talk	Fish	2013-09-08
9	Gurvits, Leonid	JIVE	Postbus 2	Dwingeloo	7990AA	Netherlands	lgurvits@jive.nl	+31521596514	other	Talk	Meat	2013-06-12

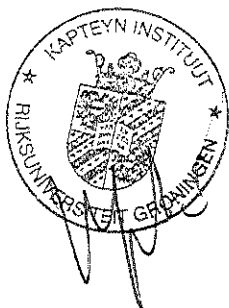


55	Hamaker, Johan	NFRA	Postbus 2	Dwingeloo	7990 AA	Netherlands	hamaker@astron.nl	0521597229	other	No	Fish	2013-09-10
40	Haverkorn, Marijke	Radboud University Nijmegen	PO Box 9010	Nijmegen	6500 GL	Netherlands	m.haverkorn@astro.ru.nl	024-3652809	faculty	Talk	No	2013-08-23
42	Heald, George	ASTRON	Postbus 2	Dwingeloo	7990 AA	Netherlands	heald@astron.nl	0521595774	faculty	Talk	No	2013-08-26
69	Helmoldt, Joseph	Naval Research Laboratory	4555 Overlook Ave., SW	Washington	20375	United States	joe.helmoldt@nrl.navy.mil	1-202-404-6340	other	Talk	No	2013-10-01
5	Hessels, Jason	ASTRON / University of Amsterdam	Oude Hoogeveensedijk 4	Dwingeloo	7991 PD	Netherlands	hessels@astron.nl	+31(0)610260062	faculty	No	No	2013-06-12
18	Hindson, Luke	Victoria University of Wellington	Room 525, Laby Building, Gate 7 Kelburn Pde, Kelbu	Wellington	6011	New Zealand	luke.hindson@vuw.ac.nz	04 463 5233 ext 9419	postdoc	Talk	Meat	2013-06-24
86	Hoeft, Matthias	Thueringer Landessternwarte	Sternwarte 5	Tautenburg	07778	Germany	hoeft@tls-tautenburg.de	+49 36427 863 0	faculty	Talk	Meat	2013-10-07
43	Huizinga, Folkert	Anton Pannekoek	Baanstraat 5	Utrecht	3581VS	Netherlands	f.huizinga@uva.nl	31624256970	other	Talk	Meat	2013-08-26
60	Hurley-Walker, Natasha	Curtin Institute of Radio Astronomy	1 Turner Avenue, Bentley	Perth	6102	Australia	nhw@icrar.org	61892669178	postdoc	Talk	Fish	2013-09-26
1	Jelic, Vibor	RuG & ASTRON	Landleven 12	Groningen	9700AB	Netherlands	vjelic@astro.rug.nl	+31 50 3633487	postdoc	Talk	Meat	2013-06-07
29	Kanekar, Nilssim	National Centre for Radio Astrophysics	Pune University Campus	Pune	411007	India	nkanekar@ncra.tifr.res.in	912025719246	faculty	Talk	Meat	2013-08-17
70	Kassim, Namir	Naval Research Laboratory	Code 7213	Washington, DC	20375-5351	United States	namir.kassim@nrl.navy.mil	+01 202 7670668	faculty	Talk	Fish	2013-10-01
10	Koopmans, Leon	Kapteyn Instituut	Landleven 12	Groningen	9747AD	Netherlands	koopmans@astro.rug.nl	0503636519	faculty	Talk	Meat	2013-06-12
114	Krause, Fabian	Kapteyn	Landleven 12	Groningen	9747 AD	Netherlands	krause@astro.rug.nl	+31503634098	phd-student	No	Fish	2013-11-01
83	Kumazaki, Kohel	Nagoya University	Furocho	Nagoya	464-0814	Japan	kumazaki@a.phys.nagoya-u.ac.jp	+81 80 3663 6116	phd-student	No	Meat	2013-10-04
53	Lonsdale, Colin	MIT Haystack Observatory	Off Route 40	Westford	01886	United States	cjl@haystack.mit.edu	781 981 5542	other	Talk	Meat	2013-09-03
41	Macquart, J.	Curtin University	1 Turner Ave,	Perth	6102	Australia	J.Macquart@curtin.edu.au	+61 8 9266 9248	postdoc	Talk	Meat	2013-



3	Vishambhar	Astron	204-15	Groningen	9742Sh	Netherlands	pandey@astron.nl	0031624606235	postdoc	Talk	Vegetarian	06-11
85	Papastergis, Manolis	Kapteyn Institute/University of Groningen	PO Box 800	Groningen	9700 AV	Netherlands	papastergis@astro.rug.nl	+31681828362	postdoc	No	Fish	2013-10-07
61	Paragl, Zsolt	JIVE	Oude Hoogeveensedijk 4	Dwingeloo	7991 PD	Netherlands	zparagl@jive.nl	+31 (0)521 596 536	faculty	No	Meat	2013-09-26
20	Patil, Ajinkya	Kapteyn Astronomical Institute	Landleven 12	Groningen	9747 AD	Netherlands	patil@astro.rug.nl	+31 50 363 4081	phd-student	Talk	Fish	2013-07-23
92	Pen, Ue-Li	CITA	60 St George St	Toronto	M5S3H8	Canada	pen@cita.utoronto.ca	4169786477	faculty	Talk	Meat	2013-10-09
38	Perley, Rick	National Radio Astronomy Observatory	P.O. Box 'O'	Socorro, NM	87801	United States	rperley@nrao.edu	1-575-835-7312	faculty	Talk	Meat	2013-08-23
48	Pober, Jonathan	University of Washing	2343 N 61st Street	Seattle	98103	United States	jpober@uw.edu	2032150475	postdoc	Talk	Meat	2013-08-30
107	Ramatsoku, Mpati	Kapteyn Astronomical Institute	Landleven 12	Groningen	9747 AD	Netherlands	mpati@astro.rug.nl	0611833074	phd-student	No	Fish	2013-10-18
44	Röttgering, Huub	Leiden Observatory	PO Box 9513	LEIDEN	2300 RA	Netherlands	rottgering@strw.leidenuniv.nl	+31715275767	faculty	Talk	Meat	2013-08-27
22	Sancisi, Renzo	Kapteyn Astronomical Institute	Ubbo emmiuslingel 47F	Groningen	9711 BD	Netherlands	sancisi@astro.rug.nl	+39 3405971903	faculty	No	Meat	2013-07-29
112	Sanders, Bob	Kapteyn	PO box 800	Groningen	9751 ND	Netherlands	sanders@astro.rug.nl	050-3634065	other	No	Meat	2013-10-20
51	Schillizzi, Richard	University of Manchester	Oxford Rd	Manchester	M13 9PL	United Kingdom	richard.schillizzi@manchester.ac.uk	+44 161 3069663	faculty	Talk	Fish	2013-09-03
99	Schnitzeler, Dominic	MPIfR	Auf dem Huegel 69	Bonn	53121	Germany	schnitzeler@mplfr-bonn.mpg.de	0049-228-525-152	postdoc	Talk	Meat	2013-10-15
14	Shulevski, Aleksandar	Kapteyn Institute / ASTRON	Landleven 12	Groningen	9747AD	Netherlands	shulevski@astro.rug.nl	063 445 1226	phd-student	Poster	Vegetarian	2013-06-15
7	Smirnov, Oleg	Rhodes & SKA SA	The Park, Park Road	Pinelands	7405	South Africa	o.smirnov@ru.ac.za	+27782167951	faculty	Talk	Meat	2013-06-12
75	Stinebring, Dan	Oberlin College	Dept of Physics and Astronomy	Oberlin	44074	United States	dan.stinebring@oberlin.edu	+01 4407752276	faculty	Talk	Fish	2013-10-02
94	Subrahmanyam, Ravi	Raman Research Institute	CV Raman Avenue,	Bangalore	560080	India	rsubrahm@rri.res.in	+91-9740604339	faculty	Talk	Fish	2013-10-02





	navi		Sadashivanagar									
50	Szomoru, Arpad	JIVE	PO box 2	Dwingeloo	7990AA	Netherlands	szomoru@jive.nl	+31521596509	faculty	No	No	2013-09-02
73	Thomas, Rajat	Netherlands Institute for Neuroscience	Meibergdreef 47	Amsterdam	1105 BA	Netherlands	rajatthomas@gmail.com	31615190388	postdoc	No	No	2013-10-02
84	Trager, Scott	Kapteyn Institute	RuG, Postbus 800	Groningen	9700 AV	Netherlands	sctrager@astro.rug.nl	0503636625	faculty	No	Meat	2013-10-04
24	Trott, Cathryn	Curtin University	1 Turner Ave, Technology Park	Perth	6845	Australia	cathryn.trott@curtin.edu.au	+61412962232	postdoc	Talk	Vegetarian	2013-08-02
104	Valentijn, Edwin	Kapteyn	PO BOX 800	Groningen	9700 AV	Netherlands	valentyn@astro.rug.nl	0648276416	faculty	No	Meat	2013-10-17
68	van Ardenne, Arnold	ASTRON	Postbus 2	Dwingeloo	7990 AA	Netherlands	ardenne@astron.nl	0521595134	other	No	Fish	2013-10-01
49	van Bommel, Ilse	ASTRON	Oude Hoozeveensedijk 4	Dwingeloo	7990AA	Netherlands	bommel@astron.nl	0521595784	postdoc	Talk	Fish	2013-09-02
35	van der Hulst, Thijs	Kapteyn Astronomical Institute	Landleven 12	Groningen	NL-9765EJ	Netherlands	j.m.van.der.hulst@rug.nl	+31503634054	faculty	Talk	Meat	2013-08-22
52	van der LAAN, Harry	Leiden University/ASTRON	Schoener 18	Wijk bij Duurstede	3961 KZ	Netherlands	vdlaan@astro.uu.nl	06 53567629	faculty	No	Fish	2013-09-03
58	van der Veen, Alle-Jan	TU Delft, Fac. EEMCS	Mekelweg 4	Delft	2628 CD	Netherlands	a.j.vanderveen@tudelft.nl	+31152786240	faculty	Talk	No	2013-09-16
93	van Langevelde, Huib Jan	JIVE	Oude Hoozeveensedijk 4	Dwingeloo	7991 PD	Netherlands	langevelde@jive.nl	0521 596515	postdoc	No	No	2013-10-09
89	van Leeuwen, Joeri	ASTRON	Oude Hoozeveensedijk 4	Dwingeloo	7991 PD	Netherlands	leeuwen@astron.nl	+31 626 154 552	faculty	No	No	2013-10-07
31	van Woerden, Hugo	Kapteyn Institute, Groningen University	Postbus 800	Groningen	9700 AV	Netherlands	hugo@astro.rug.nl	050-5252784	other	No	Meat	2013-08-20
71	Vedantham, Harish	Kapteyn Astronomical Institute	Landleven 12	Groningen	9747AD	Netherlands	harish@astro.rug.nl	+31 643 863 645	phd-student	Talk	Fish	2013-10-02
108	Verdoes Kleijn, Gijs	Kapteyn, OmegaCEN	Postbus 800	Groningen	9700 AV	Netherlands	verdoes@astro.rug.nl	050-3638326	faculty	No	No	2013-10-18
80	Verheijen, Marc	Kapteyn Institute	Landleven 12	Groningen	9747AD	Netherlands	verheijen@astro.rug.nl	050-3634077	faculty	No	No	2013-10-04



79	Viallefond, Francois	LERMA Observatoire de Paris	61 av de l'Observatoire	Paris	75014	France	fviallef@maat.obspm.fr	33 1 40 51 21 02	other	No	Fish	2013-10-03
23	Walker, Mark	Manly Astrophysics	3/22 Cliff Street	Manly	NSW 2095	Australia	Mark.Walker@manlyastrophysics.org	+61 404 369133	faculty	Talk	Vegetarian	2013-07-30
110	Wessellus, Paul	Kapteyn Institute	Regentessestraat 73	Groningen	9717MG	Netherlands	paulwess@home.nl	0503120917	other	No	No	2013-10-20
109	Williams, Wendy	Lelden Observatory	Niels Bohrweg 2	Lelden	2333 CA	Netherlands	wwilliams@strw.leidenuniv.nl	+31 71 527 8492	phd-student	No	Meat	2013-10-18
45	Willis, Tony	National Research Council of Canada	P.O. Box 248	Penticton	V2A 6J9	Canada	tony.willis@nrc-cnrc.gc.ca	1-250-497-2343	other	Talk	Fish	2013-08-27
4	Wise, Michael	ASTRON	P.O. Box 2	Dwingeloo	7990 AA	Netherlands	wise@astron.nl	+31 521 596 564	faculty	No	Meat	2013-06-12
74	Wykes, Sarka	Radboud University Nijmegen	Heyendaalseweg 135	Nijmegen	6525 AJ	Netherlands	sarka@astro.ru.nl	+31 (0) 24 3652821	phd-student	No	Vegetarian	2013-10-02
13	Yatawatta, Sarod	ASTRON	--	Dwingeloo	9999	Netherlands	yatawatta@astron.nl	0501111111	undergraduate	Talk	Fish	2013-06-13
106	Yim, Kijeong	Kapteyn Astronomical Institute	Reitdiephaven	Groningen	9746 RK	Netherlands	kijeong@astro.rug.nl	0621345793	postdoc	No	No	2013-10-17
2	Zaroubi, Saleem	Kapteyn Astronomical Institute, Univ og Groningen	Landleven 12	Groningen	9747AD	Netherlands	saleem@astro.rug.nl	+31-50-3634055	faculty	Talk	Meat	2013-06-11
16	Zhou, Jianfeng	Center for Astrophysics, Tsinghua University	Department of Engineering Physics, Tsinghua Univer	Beijing	100084	China	zhoujf@tsinghua.edu.cn	18600668160	faculty	Talk	Fish	2013-06-18
87	Zondervan, Henle	Kapteyn Institute	Landleven 12	Groningen	9747 AD	Netherlands	h.zondervan@astro.rug.nl	050-3634075	faculty	No	Meat	2013-10-07