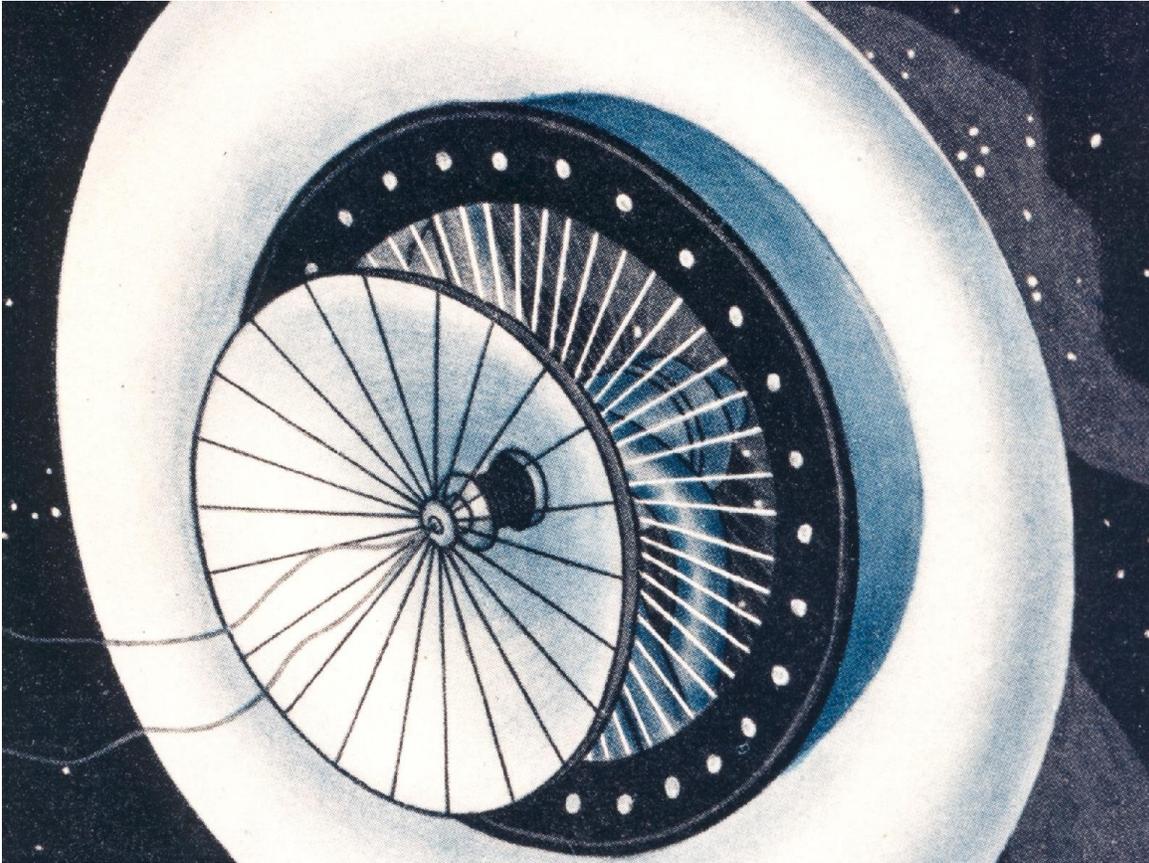


Slovenia and space: yesterday, today and tomorrow
Slovenija in vesolje: včeraj, danes, jutri
Ljubljana, 20-21/10/2009



Hermann Potočnik (1892-1929), better known as Herman Noordung, created the first detailed technical drawings of a space station. This 1929 image is a depiction of the space station's habitat wheel.

Herman Potočnik Noordung (1892-1929) je prvi narisal podrobne tehnične skice vesoljske postaje. Na zgornji risbi iz leta 1929 je bivalno kolo vesoljske postaje.

basic information – osnovne informacije

town map – karta mesta

programme – program

participants - udeleženci

Slovenia and space: yesterday, today and tomorrow

**A workshop to be held at the University of Ljubljana, Faculty of Mathematics and Physics,
Jadranska 19, Ljubljana**

Purpose

The workshop is organized by the Faculty of Mathematics and Physics of the University of Ljubljana in collaboration with the Ministry for Higher Education, Science and Technology. The purpose is to bring together the local space-related scientific and technological community in view of the activities of Slovenia to become an European Cooperating State of the European Space Agency.

Time

The workshop starts on Tuesday, October 20 2009 at 9.00 am and ends on Wednesday, October 21 at approx. 4 pm – see programme for details.

Venue

The workshop will be held at the University of Ljubljana, Faculty of Mathematics and Physics, Jadranska 19, 1000 Ljubljana. The Faculty is reachable by public transport, a nice walk from the city centre takes about 20 minutes. See the attached detailed map.

Ljubljana's airport is located some 25 km from the city centre. Adria airways is the local airline which operates direct flights from most European capitals. The airport is served also by major European airlines.

Accommodation

Ljubljana has many hotels suiting every need. As a guide we would recommend three choices, all located in the city centre's pedestrian zone. In all cases please drop us (tomaz.zwitter@fmf.uni-lj.si) a mail with your arrival/departure dates and we will book you a hotel using the agreed University discount. You pay the hotel directly unless agreed otherwise.

The prime choice is Grand hotel Union (www.gh-union.si). A single room would cost you 127.10 Euro/night in Executive, and 116.70 Euro/night in Business class.

An alternative is hotel Slon (www.hotelslon.com), a single room would cost 108.21 Eur/night.

A clean budget accommodation is hotel Emonec (www.hotel-emonec.com), a single room is approx. 59 Eur/night.

As said, please drop us an e-mail and we will arrange the booking.

Registration/meals

There is no registration fee. We will have morning and afternoon coffee brakes. There are several choices for a quick lunch nearby. On the evening of Tuesday, October 20 we will have a social dinner in a downtown restaurant. **Please register** for the event by sending an email to the contacts below.

Contacts

The contacts before/after the conference are Tomaz Zwitter (tomaz.zwitter@fmf.uni-lj.si, handy +38651345268) and Andreja Gomboc (andreja.gomboc@fmf.uni-lj.si).

Proceedings

We plan to publish proceedings with approx. 4 printed pages per contribution. Please send us (preferably) a word file by the end of October. The proceedings will be sent to all participants free of charge.

Slovenija in vesolje: včeraj, danes, jutri

Delovno srečanje na Fakulteti za matematiko in fiziko Univerze v Ljubljani

Jadranska 19, Ljubljana

Namen

Delovno srečanje organizira Fakulteta za matematiko in fiziko Univerze v Ljubljani v sodelovanju z Ministrstvom za visoko šolstvo, znanost in tehnologijo. Ob skorajšnji slovenski pridružitvi Evropski vesoljski agenciji je namen delavnega srečanja krepitev vezi v lokalni znanstveni in tehnološki srenji raziskovalcev, povezanih z vesoljem.

Čas

Delovno srečanje se bo začelo v torek, 20. oktobra 2009 ob 9. uri in končalo v sredo, 21. oktobra, približno ob 16. uri. Podrobnosti so navedene v programu srečanja.

Kraj

Delovno srečanje bo potekalo na Fakulteti za matematiko in fiziko Univerze v Ljubljani na Jadranski 19 v Ljubljani. Do Fakultete vozi mestni avtobus številka 1, prijeten sprehod iz mestnega centra traja približno 20 minut. Prilagamo podrobno karto.

Ljubljansko letališče je oddaljeno približno 25 km od mestnega središča. Lokalni letalski prevoznik Adria Airways ima direktne lete v večino evropskih prestolnic. Na letališče letijo tudi večje evropske letalske družbe.

Nastanitev

Ljubljana ima veliko hotelov za vsak okus. Kot vodilo priporočamo tri možnosti, vse v pešaški coni v središču mesta. Prosimo, da nam po e-pošti (tomaz.zwitter@fmf.uni-lj.si) sporočite čas vašega prihoda in odhoda in ime hotela, da vam rezerviramo nastanitev z običajnim univerzitetnim popustom. Če ni domenjeno drugače, račun poravnate direktno v hotelu.

Prva izbira je Grand hotel Union (www.gh-union.si). Enoposteljna soba vas bo stala 127,10 evrov/noč v delu eksekutive, in 116,70 evrov/noč v poslovnem delu. Alternativa je hotel Slon (www.hotelslon.com). Enoposteljna soba vas bo stala 108,21 evrov/noč. Snažna ekonomska izbira je hotel Emonec (www.hotel-emonec.com). Enoposteljna soba vas bo stala pribl. 59 evrov/noč. Kot rečeno, oglasite se po e-pošti in vam bomo uredili rezervacijo.

Registracija/prehrana

Konferenca je odprta za publiko. Registracija je brezplačna. Dopoldne in popoldne bomo imeli odmore za kavo. V bližini je več izbir za čas kosila. Zvečer v torek, 20. oktobra bomo organizirali skupno večerjo v restavraciji v centru mesta. Prosimo **prijavite se** po e-pošti na spodaj navedeni naslov.

Kontakta

Kontakta pred in po konferenci sta Tomaž Zwitter (tomaz.zwitter@fmf.uni-lj.si, mobilni telefon +38651345268) in Andreja Gomboc (andreja.gomboc@fmf.uni-lj.si).

Zbornik

Planiramo izdajo zbornika s približno 4-stranskim člankom za vsak prispevek. Do konca oktobra (torej 10 dni po konferenci) nam prosim pošljite datoteko v (preferenčno) wordovem formatu. Udeleženci bodo prejeli brezplačni izvod do konca leta.



© 2009 Google

Eye alt: 2.98 km

Image © 2009 DigitalGlobe
© 2009 Tele Atlas
46°02'52.63" N 14°30'18.49" E elev: 286 m

Imagery Date: Apr 13, 2003

Draft Programme of the Workshop/Program delovnega srečanja

Slovenia and space: yesterday, today and tomorrow
Slovenija in vesolje: včeraj, danes in jutri
to be held at the University of Ljubljana, Faculty of Mathematics and Physics
Jadranska 19, Ljubljana
na Fakulteti za matematiko in fiziko Univerze v Ljubljani

The thread moves from outer space, towards the Earth, technology, past achievements, society outreach, and overview of the local facilities.
Rdeča nit gre iz daljnega vesolja proti Zemlji, tehnologiji, preteklim dosežkom, informiranju javnosti in konča s pregledom domačih zmogljivosti

Ker vsi prisotni znajo slovensko, ni potrebe po predpisovanju angleščine.

Day 1, Tuesday 20th October 2009 / torek, 20. oktobra

09.00-09.10	Andrej Likar	Welcome by the Dean of the Faculty of Mathematics and Physics
09.10-09.30	Aleš Mihelič	Introduction by the Director of the Directorate for Technology of the Ministry for Higher Education, Science and Technology
09.30-10.00	Marcos Bavdaž	Cosmic Visions 2015-2025 and its technology preparation
10.00-10.20	Radovan Pajntar	Summary of the hearings conducted by ESA in May 2009

coffee break

Astrophysics and Physics of the Atmosphere / Astrofizika in fizika atmosfere

10.50-11.10	Andreja Gomboc	Swift, Fermi and the Gamma Ray bursts
11.10-11.30	Tomaž Zwitter	Gaia, ELSA and the RAVE survey
11.30-11.50	Andrej Prša	Towards Accurate Eclipsing Binary Models in the Kepler High-Precision Photometry Era
11.50-12.10	Andrej Čadež and Uroš Kostić	Quantum astronomy and time
12.10-12.30	Vida Žigman	Modelling the impact of Solar X-ray flares on the Earth lower ionosphere
12.30-13.00	Nedjeljka Žagar	On a bit of universe trapped to the Earth: our living atmosphere

lunch

Space technologies and its implications / Vesoljske tehnologije in aplikacije

14.00-14.20	Marcos Bavdaž	X-ray optics and high energy astrophysics
-------------	---------------	---

14.20-14.40	Anton Mavretič	Possible Small Satellite Development in Slovenia
14.40-15.00	Matevž Dular	Fluid Dynamics and Space
15.00-15.20	Sašo Blažič, Gregor Klančar, Gašper Mušič, Drago Matko	SIFT features based attitude control of a satellite
15.20-15.35	Matjaž Vidmar	Overview of Previous Space Projects in the Radiation and Optics Laboratory
15.35-15.50	Luka Naglič	Radar for ESMO mission
15.50-16.10	Iztok Kramberger	A Survey of On-board Data Handling for the ESMO mission
16.10-16.30	Tomaž Šuštar, A. Grm, Tomaž Rodič	M5 computations in space sciences and technologies
coffee break		
16.50-17.10	Igor B. Mekjavič	Development of Space Medicine in Slovenia
17.10-17.30	Boštjan Šimunič and Rado Pišot	Effects of Simulated Weightlessness on Human Organism: Valdoltra Bed Rest Studies 2006-2008
17.30-17.50	Krištof Oštir	Satellite Remote Sensing in Slovenia
17.50-18.10	Grega Milčinski	Interaction with Satellite Data in Business Applications and Public Use

19.00 - social dinner in restaurant Šestica/ skupna večerja v restavraciji Šestica

Day 2, Wednesday 21st October 2009 / sreda, 21. oktobra

Past achievements / Pretekli dosežki

09.00-09.30	Dušan Petrač	Infrared Astronomical Satellite – IRAS New Window into the Universe
09.30-10.00	Anton Mavretič	Voyager I and II, IMP H and J, Wind, and DSX Missions Mission to the outer planets and near Earth environment
10.00-10.20	Sandi Sitar	Slovenci segajo po zvezdah

coffee break

Space Sciences outreach / Znanost in javnost

10.40-11.00	Uroš Kostić and Andreja Gomboc	International Year of Astronomy in Slovenia
11.00-11.20	Zorko Vičar	The School and the Astronomy in Slovenia
11.20-11.40	Boris Kham	Starry sky through exhibitions and on radio waves
11.40-12.00	Helena Drnovšek- Zorko	Third culture and the role of the Ministry of Foreign Affairs
12.00-13.00		Round table discussion: Space sciences and media. Led by leading Slovenian journalists reporting frequently on the topic.

lunch

Amateur astronomy and astronomical education in Slovenia / Ljubiteljska astronomija in astronomsko izobraževanje v Sloveniji

14.00-14.20	Andrej Mohar and Erika Pogačnik	Protecting against light pollution in Slovenia
14.20-14.40	Anton Špenko	Slovenian amateur astronomy
14.40-15.00	Herman Mikuž	Črni Vrh Observatory
15.00-15.20	Bojan Kambič and Andrej Guštin	Spika astronomical journal
15.20-15.40	Tomaž Zwitter and Andrej Čadež	Studying astronomy in Slovenia
15.40-16.00	Aleš Mihelič	Summary of the Workshop
16.00-		Closing of the Workshop by the Slovenian Minister for Higher Education, Science and Technology, Mr. Gregor Golobič

Contacts: tomaz.zwitter@fmf.uni-lj.si, andreja.gomboc@fmf.uni-lj.si

Participants – udeleženci

Boštjan	Batagelj	FE	bostjan.batagelj@fe.uni-lj.si	
Marcos	Bavdaž	ESA	Marcos.Bavdaz@esa.int	
Sašo	Blažič	FE	saso.blazic@fe.uni-lj.si	da
Andrej	Čadež	FMF	andrej.cadez@fmf.uni-lj.si	da
Bojan	Dintinjana	FMF	bojan.dintinjana@fmf.uni-lj.si	
Helena	Drnovšek-Zorko	MZZ	Helena.Drnovsek-Zorko@gov.si	
Matevž	Dular	FS	matevz.dular@fs.uni-lj.si	
Gregor	Golobič	MVZT		
Andreja	Gomboc	FMF	andreja.gomboc@fmf.uni-lj.si	da
Aleksander	Grah	U. Bremen	grah@zarm.uni-bremen.de	
A	Grm	C3M	sandro@c3m.si	
Andrej	Guštin	Spika & Gea	andrej.gustin@t-2.net	
Luka	Hvalc	Val 202	luka.hvalc@rtvslo.si	
Marjan	Jamjak	Sinergise	marjan.jamjak@sinergise.com	
Urtzi	Jauregi	FMF	urtzi@fmf.uni-lj.si	
Bojan	Kambič	Spika	spikar@siol.net	
Boris	Kham	Gimnazija Jožeta Plečnika	astroboris@khamikaze.net	da
Gregor	Klančar	FE	gregor.klancar@fe.uni-lj.si	
Vojko	Kogej	VTA	vojko.kogej@guest.ames.si	da
Uroš	Kostić	FMF	uros.kostic@fmf.uni-lj.si	
Iztok	Kramberger	FERI	iztok.kramberger@uni-mb.si	
Andrej	Likar	FMF	andrej.likar@fmf.uni-lj.si	
Jure	Longyka	Val 202	jure.longyka@gmail.com	
Gal	Matijević	FMF	gal.matijevic@fmf.uni-lj.si	
Drago	Matko	FE	drago.matko@fe.uni-lj.si	
Anton	Mavretič	Boston U.	mavretic@bu.edu	
Igor B.	Mekjavič	IJS	igor.mekjavic@ijs.si	
Aleš	Mihelič	MVZT	Ales.Mihelic@gov.si	
Herman	Mikuž	FMF & Observatorij Črni Vrh	herman.mikuz@fmf.uni-lj.si	
Grega	Milčinski	Sinergise	grega.milcinski@sinergise.com	
Andrej	Mohar	UAD	andrej.mohar@tp-lj.si	
Gašper	Mušič	FE	gasper.music@fe.uni-lj.si	
Luka	Naglič	FE		
Krištof	Oštir	ZRC SAZU	kristof@zrc-sazu.si	
Radovan	Pajntar	MVZT	Radovan.Pajntar@gov.si	
Dušan	Petrač	NASA/JPL	dusanpetrac@sbcglobal.net	
Rado	Pišot	UPR	rado.pisot@upr.si	
Erika	Pogačnik	Temno nebo	erika.pogacnik@gmail.com	
Andrej	Prša	Villanova U.	andrej.prsa@villanova.edu	
Tomaž	Rodič	C3M & NTF	tomaz@c3m.si	
Sandi	Sitar	Ljubljana	sandisitar@gmail.com	
Boštjan	Šimunič	ZRS UPR	bostjan.simunic@zrs.upr.si	
Anton	Špenko	Observatorij Rezman	anton.spenko@amis.net	
Mirko	Štular	Val 202	mirko.stular@rtvslo.si	
Tomaž	Šuštar	C3M	tomaz.sustar@c3m.si	
Zorko	Vičar	Gimnazija Šentvid	zorko.vicar@guest.ames.si	
Matjaž	Vidmar	FE	matjaz.vidmar@fe.uni-lj.si	
Rok	Vidmar	SAZ	Rok.Vidmar@GMail.Com	
Tomaž	Zwitter	FMF	tomaz.zwitter@fmf.uni-lj.si	da
Nedjeljka	Žagar	FMF	nedjeljka.zagar@fmf.uni-lj.si	da
Vida	Žigman	UNG	vida.zigman@ung.si	