Ing. Jakub Kákona

about
U Jatek 19
392 01
Czech Republic

Nationality:
Czech

kjakub@gmail.com
kakonjak@fel.cvut.cz

languages
Czech
English
Russian

programming
Gnuradio
iPython, C

interests

Radioastronomy, (Opto)electronics, Astronomy, Physics

education

since 2014	Ph.D. Air Traffic Control	*Radio position determination of flying objects*
	Faculty of Electrical Engineering - CTU Prague	
2012–2014	Ing. Aircraft and space systems	Department of Measurement
	Faculty of Electrical Engineering - CTU, Prague	
2008–2012	Bc. Laser Technology and Optoelectronics	Department of Physical Electronics
	Faculty of Nuclear Sciences and Physical Engineering CTU, Prague	
2004–2008	Electronic Control Systems	
	High school of Machines and Electrical Engineering in České Budějovice	

experience

2014	ESA Summer of Code in Space	Projects mentor
	Station maintenance software; Cubesat automatic reception station	
2013	ESA Summer of Code in Space	Project mentor
	General purpose radio-astronomy station software	
2007 - 2013	Robozor robotics club - České Budějovice	Supervisor
Since 2010	Summer school of Astronomy - Radioastronomy group supervisor	Summer job

applications

since 2011	Bolidozor - Radio meteor detection network	bolidozor.cz
	Software defined receiver design	
since 2004	MLAB - Opensource Hardware modular electronic prototyping system	mlab.cz
	Design of electronic modules and system engineering	

publications

international and local peer-reviewed conferences/proceedings

Radio Meteor Scattering with Software Defined Radio based on Open Hardware
Teodor Pintér, Jakub Kákona, Martin Kákona, L Křivskỳ
Proceedings of the International Meteor Conference, 31st IMC, La Palma, Canary Islands, Spain, 2012, 2013

Measuring of ionospheric disturbances with Soware Defined Radio based on Open Hardware
Jakub Kákona, Martin Kákona, Josef Szylar
Acta Polytechnica, 2012