Ing. Jakub Kákona

about

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Nationality: Czech

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languages

Czech English Russian

programming

Gnuradio iPython, C

interests

Radioastronomy, (Opto)electronics, Astronomy, Physics

education

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

experience

2014	ESA Summer of Code in Space	Projects mentor
	Station maintenance software; Cubesat automatic reception sta	tion
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 Křivský

Proceedings of the International Meteor Conference, 31st IMC, La Palma, Canary Islands, Spain, 2012, 2013

Measuring of ionospheric disturbances with Software Defined Radio based on Open Hardware Jakub Kákona, Martin Kákona, Josef Szylar

Acta Polytechnica, 2012