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 Faculty of Electrical Engineering - CTU	Radio position determination of flying objects Prague
2012–2014	Ing. Aircraft and space systems Faculty of Electrical Engineering - CTU	Department of Measurement , Prague
2008–2012	Bc. Laser Technology and Optoelectron Faculty of Nuclear Sciences and Physic	
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 st	ation
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 supervi	sor Summer job

applications

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

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