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 Prague	*Radio 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 Engineering CTU, Prague	Department of Physical Electronics
2004–2008	**Electronic Control Systems** High school of Machines and Electrical Engineering in České Budějovice	

experience

2014	**ESA Summer of Code in Space** *Station maintenance software; Cubesat automatic reception station*	Projects mentor
2013	**ESA Summer of Code in Space** *General purpose radio-astronomy station software*	Project mentor
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** Software defined receiver design	bolidozor.cz
since 2004	**MLAB - Opensource Hardware modular electronic prototyping system** Design of electronic modules and system engineering	mlab.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 So ware Defined Radio based on Open Hardware
Jakub Kákona, Martin Kákona, Josef Szylar
Acta Polytechnica, 2012