PERSONAL INFORMATION

Name	**KRALJ, NENAD**
Telephone	**+385 51 584 631**
E-mail	**nenad.kralj@phy.uniri.hr**
Nationality	Croatian
Date of birth	31 JANUARY 1989

RESEARCH INTEREST

Quantum and nonlinear optics, with a special interest in cavity optomechanics in the strong-coupling regime, i.e. strong coupling between a high-finesse optical cavity and a silicon nitride membrane in the middle.
Particle astrophysics.

WORK EXPERIENCE

• Dates (from – to)	September 2013 – present
• Name and address of employer	University of Rijeka Physics Department, Radmile Matejčić 2, 51000 Rijeka, Croatia
• Type of business or sector	High education and research
• Occupation or position held	assisstant
• Main activities and responsibilities	research assistant at the Quantum and Nonlinear Optics Laboratory; teaching assistant
• Dates (from – to)	February 2013
• Name and address of employer	Mihael Šilobod Elementary School, Sveti Martin pod Okićem 37b, 10435 Sveti Martin pod Okićem, Croatia
• Type of business or sector	Education
• Occupation or position held	physics teacher (substitute)

EDUCATION AND TRAINING

• Dates (from – to)	September 2007 – January 2013
• Name and type of organization providing education and training	University of Zagreb Faculty of Science
• Principal subjects/occupational skills covered	Classical and Quantum Mechanics, Electrodynamics, Statistical Physics, Physics of Elementary Particles, Condensed Matter Physics, Nuclear Structure, Nuclear Astrophysics, Special and General Theory of Relativity, Mathematical Methods in Physics, Linear Algebra, Group Theory
• Title of qualification awarded	mag. phys.
• Level in national classification	MSc in Physics
• Dates (from – to)	September 2003 – June 2007
• Name and type of organization providing education and training	Prva sušačka hrvatska gimnazija u Rijeci
• Level in national classification	Grammar school

PERSONAL SKILLS AND COMPETENCIES	
MOTHER TONGUE	**CROATIAN**
OTHER LANGUAGES	
	ENGLISH
• Reading skills	EXCELLENT
• Writing skills	EXCELLENT
• Verbal skills	EXCELLENT
	ITALIAN
• Reading skills	GOOD
• Writing skills	GOOD
• Verbal skills	GOOD
	FRENCH
• Reading skills	BASIC
• Writing skills	BASIC
• Verbal skills	BASIC
TECHNICAL SKILLS AND COMPETENCIES	Skilled at using MS Office applications (Word, Excel, PowerPoint, Access etc.), applications for Graphical Design (Photoshop, Gimp, Paint, etc.) and Data Analysis tools (Origin, QtiPlot, Mathematica, etc.). Programming skills include Fortran, C and Python.
PROFESSIONAL TRAINING	Enrico Fermi International School of Physics, Course 190: "Frontiers in Modern Optics", Varenna, Italy; June 30th – July 5th 2014
PUBLISHED PAPERS	T. Nikšić, N. Kralj, T. Tutiš, D. Vretenar and P. Ring, Implementation of the finite amplitude method for the relativistic quasiparticle random-phase approximation, Phys. Rev. C 88, 044327 (2013)