



# Europass Curriculum Vitae



## Personal information

First name / Surname

**Vasil Kolev**

Address

Bl. 2, Acad. G. Bonchev Str., 1113 Sofia, Bulgaria

Telephone

(+359 2) 872 0132 ext. 115

E-mail

vasil@isdip.bas.bg

Nationality

Bulgarian

Gender

Male

## Work experience

Dates

2000 -

Occupation or position held

programmer

Main activities and responsibilities

DSP algorithms, multirate systems, wavelets, multiwavelets. PDE, ODE

Name and address of employer

Institute of Information and Communication Technologies – Bulgarian Academy of Sciences

## Education and training

Dates

1989 -1995

Title of qualification awarded

MSc

Principal subjects/occupational skills covered

Automatic of productions

Name and type of organisation providing education and training

Technical university, Sofia

## Personal skills and competences

Mother tongue

**Bulgarian Language**

Self-assessment

*European level (\*)*

**Russian Language**

**English Language**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B2	Independent user	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user

(\*) [Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu)

Computer skills and competences

MS Windows, MS Office

## Publications

1. Kolev V., General synthesis-procedure of optimal filter coefficients for orthogonal wavelet matrices, Proc. Mat. Inf., vol. 40, book 3, pp. 7-11, Ruse, 2003.
2. Kolev V., Multiplierless modules for forward and backward wavelet transform, CompSysTech, pp. III.6-1-III.6.6, Sofia, 2003.
3. Kolev V., Distance functions and wavelet: Methods of scattering data processing, Science session of Shumen University, pp. 55-61, Shumen, 2003.
4. Kolev V., Procedure of construction optimal filters for time-frequency analysis, new form representation and implementation of two-band filter bank, Bioprocess'03, pp. 1.49 - 1.52, Sofia, 2003.
5. Kolev V., Georgiev S., Biharmonic equation on rectangular for digital image processing, Proc. Math. Inform. Physics, vol. 41, book 6.1, pp. 113-117, Ruse, 2004.
6. Kolev V., Construction of optimal orthogonal wavelet filters, Proc. Elect. Eng. Elec. Auto., vol. 44, book 3.1, pp. 64-67, Ruse, 2005.
7. Kolev V., Dilation operators and two-scale similarity transform, Proc. Science Conf., pp. 170-176, Ruse, 2006.
8. Kolev V., Wavelet and Multiwavelet orthogonal filters, Proc. Elec. Eng. Elec. Automation, vol. 46, book 3.1, pp. 97 - 101, Ruse, 2007.
9. Kolev V., Universal representation of orthogonal wavelet and multiwavelet filters, pp. 197-214, Technical College – Stara Zagora, 2007.
10. Kolev V., Dilation equation – basis properties, Proceedings of Scientific Session RU'2008, pp. 57-61, Ruse, 2008.
11. Kolev V., Kitanov N., Pareto two-criteria optimization with additional conditionals, Proceedings of Scientific Session RU'2009, vol.48, books 3.1, pp. 84-88, Ruse, 2009.
12. Kolev V., Orthogonal multifilters image processing of astronomical images from scanned photographic plates, ComSysTech'10, pp. 490 - 495, Sofia.