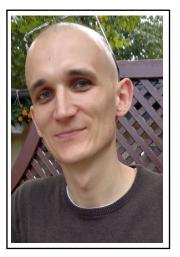
CURRICULUM VITAE

PERSONAL INFORMATION

Name E-Mail Web Page Nationality KACPER, PLUTA kacper.pluta@esiee.fr perso.esiee.fr/~plutak Polish



PROFESSION

- ▶ Period
- o Employer
- o Position
- Main Responsibilities
- Contract Type
- ▶ Period
- Employer
- o Position
- Main Responsibilities
- Contract Type
- ▶ Period
- Employer
- Position
- Main Responsibilities
- Contract Type

2017

University Paris-Est Marne-la-Vallée

Attaché Temporaire d'Enseignement et de Recherche

Research and teaching

Full time, Determinate duration

2012-2013

Technical University of Łódź

Oracle (PL/SQL) and Delphi developer

Development and maintenance of internal systems

Full time, Determinate duration

2010-2012

Sanitary-Epidemiological Office in Ostrów Wielkopolski

IT administrator

Maintenance of the internal IT infrastructure

Full time, Indeterminate duration

EDUCATION

- ▶ Period
- Acquired Qualifications
- Institution
- o Thesis Subject
- o Supervisors
- ▶ Period
- Acquired Qualifications
- Institution
- o Program
- o Track
- o Comments
- ▶ Period
- o Acquired Qualifications
- o Institution
- Track
- Comments

2014-2017

Ph.D. in Computer Science

University Paris-Est

Rigid Motions on Discrete Spaces

Yukiko KENMOCHI and Pascal ROMON

2013-2014

Master in Computer Science

University Paris-Est Marne-la-Vallée

Labex Bézout - International track in Computer Science and Maths

Signal, Image, Synthèse

Obtained with honors (avec mention très bien)

2009-2013

Bachelor in Computer Science

University of Computer Sciences and Skills in Łódź

Programming and Databases

Several scholarships of Polish ministry of higher education for the best

students

PUBLICATIONS

FUBLICATIONS	
⊳ Journal	Pluta K., T. Roussillon, D. Cœurjolly, P. Romon, Y. Kenmochi, V. Ostromoukhov: Characterization of bijective digitized rotations on the hexagonal grid. To Appear in <i>Journal of Mathematical Imaging and Vision</i> , doi:10.1007/s10851-018-0785-1
⊳ Journal	Pluta K., Romon P., Kenmochi Y., Passat N.: Bijective Digitized Rigid Motions on Subsets of the Plane. <i>Journal of Mathematical Imaging and Vision</i> , 2017, doi:10.1007/s10851-017-0706-8
⊳ Journal	Pluta K., Janaszewski M., Postolski M.: New Algorithm for Modeling of Bronchial Trees. <i>Image Processing & Communications</i> , 2012, doi:10.2478/v10248-012-0045-8
⊳ Conference Proceedings	Pluta K., Romon P., Kenmochi Y., Passat N.: Honeycomb Geometry: Rigid Motions on the Hexagonal Grid. <i>Lecture Notes in Computer Science</i> . DGCI, 2017, vol 10502, pp. 33–45, doi:10.1007/978-3-319-66272-5_4
⊳ Conference Proceedings	Pluta K., Moroz G., Kenmochi Y., Romon P.: Quadric Arrangement in Classifying Rigid Motions of a 3D Digital Image. <i>Lecture Notes in Computer Science</i> . CASC, 2016, vol 9890, pp. 426–443, doi:10.1007/978-3-319-45641-6_27
⊳ Conference Proceedings	Pluta K., Romon P., Kenmochi Y., Passat N.: Bijectivity Certification of 3D Digitized Rotations. <i>Lecture Notes in Computer Science</i> . CTIC, 2016, vol 9667, pp. 30–41, doi:10.1007/978-3-319-39441-1_4
Conference Proceedings	Pluta K., Romon P., Kenmochi Y., Passat N.: Bijective Rigid Motions of the 2D Cartesian Grid. <i>Lecture Notes in Computer Science</i> . DGCI, 2016, vol 9647, pp. 359–371, doi:10.1007/978-3-319-32360-2_28
Conference Proceedings	Pluta K., Postolski M., Janaszewski M.: Bronchial Tree Modeling Algorithms. <i>Science Bulletin of the College of Computer Science in Łódź</i> , SMiSKT, 2012, vol 11(1), pp. 152–170
⊳ Working paper	Domej G., Bouedeau C., Lenti L., Pluta K.: A Global Database of Seismically and Non-seismically Triggered Landslides for 2D/3D Numerical Modeling. Submitted to <i>Italian Journal of Engineering Geology and Environment</i>
⊳ Technical Report	Pluta K., Kenmochi Y., Passat N., Talbot H., Romon P.: Topological Alterations of 3D Digital Images under Rigid Transformations. HAL, 2016, hal:hal-01333586
⊳ Abstract with Poster	Domej G., Bourdeau C., Lenti L., Pluta K.: A Global Database of Seismically and Non-seismically Triggered Landslides for 2D/3D Numerical Modeling, Poster session presented at European Geosciences Union, 2017
⊳ Bachelor Thesis	Pluta K.: Algorytmy Modelowania Geometrii Drzew Oskrzelowych w Przestrzeni 3D. University of Computer Science in Łódź, 2013
⊳ Technical Magazine	Pluta K.: Static Content Management Systems. Polish Edition of

Linux+ Magazine, 2010

Pluta K.: Preview of eyeOS. Polish Edition of Linux+ Magazine, 2010

▶ Technical Magazine

Pluta K.: Survey of antivirus software for Linux Desktops. Polish Edition ▶ Technical Magazine of Linux+ Magazine, 2010 TALKS ▶ International Conference Honeycomb Geometry: Rigid Motions on the Hexagonal Grid, DGCI, Vienna, 2017 ▶ International Conference Quadrics Arrangement in Classifying Rigid Motions of a 3D Digital Image, CASC, Bucharest, 2016 ▶ International Conference Bijectivity Certification of 3D Digitized Rotations, CTIC, Marseilles, 2016 ▶ International Conference Bijective Rigid Motions of the 2D Cartesian Grid, DGCI, Nantes, 2016 ▶ Seminary Quadrics Arrangement in Classifying Rigid Motions of a 3D Digital Image, INRIA, Nancy, 2016 National Working Group Day Bijectivity Certification of 3D Digitized Rotations, Journée du GéoDis, Marseilles, 2016 ▶ National Working Group Day Bijective Rigid Motions of the 2D Cartesian Grid, Journée du GéoDis, Lyon, 2015 National Project Workshop Local Characterization of Rigid Motions in 2D Cartesian Grid, KIDICO, Obernai, 2015 ▶ National Working Group Day Topological Alterations of 3D Digital Images under Rigid Transformations, Journée du GéoDis, Reims, 2014 ▶ National Conference New Algorithm for Modeling of Bronchial Trees, SŁOK, Słok, 2012 Bronchial Tree Modeling Algorithms, MIŚ, Łódź, 2012 ▶ National Conference Doctoral School Students' Bijectivity Certification of 3D Digitized Rotations, Noisy-le-Grand, 2016 Workshop Doctoral school Students' Honeycomb Geometry: Rigid Motions on the Hexagonal Grid, Noisy-Workshop le-Grand, 2017

TEACHING

▶ Labs (Bachelor 1)
Algorithmic and Programming 1, University Paris-Est Marne-la-Vallée, 36h, 2017/18, head: Antoine Meyer
▶ Labs (Master 2)
Digital Geometry, University Paris-Est Marne-la-Vallée, 5h, 2017/18, with: Yukiko Kenmochi

▶ Labs (Master 1)
Linux API, University Paris-Est Marne-la-Vallée, 24h, 2017/18, head:
Sylvain CHerrier

▶ Labs (Master 1)
Object-Oriented Programming 1, University Paris-Est Marne-la-Vallée,
48h, 2017/18, head: Sylvain CHerrier

▶ Labs (Master 1)
Workshop on C Programming, University Paris-Est Marne-la-Vallée,
4h, 2017/18

▶ Lectures & Labs (Master 1) Introd

Introduction to Computational Geometry, ESIEE Paris, 16h, 2016/17, **head**: Nabil Mustafa

▶ Labs (Master 2)

Digital Geometry, University Paris-Est Marne-la-Vallée, 5h, 2016/17, with: Yukiko Kenmochi

▶ Lectures & Labs (Master 1)

Object-Oriented Programming 1, University Paris-Est Marne-la-Vallée, 48h, 2016/17, **head**: Sylvain Cherrier

▶ Project (Master 1)

Image Analysis and Synthesis, ESIEE Paris, Leading a group of 3 students for 8 weeks, 2015/16, **head**: Jean Cousty

▶ Labs (Master 1)

Introduction to Computational Geometry, ESIEE Paris, 8h, 2015/16, head: Nabil Mustafa

▶ Lectures & Labs (Master 1)

Graphical Interface Programming, ESIEE Paris, 16h, 2015/16, **head**: Nabil Mustafa

▶ Labs (Bachelor 3)

Algorithms and Programming, University Paris-Est Marne-la-Vallée, 24h, 2014/15 Fall, **head**: Éric Laporte

AWARDS

▶ 2016

Software Award of Symposium on Geometric Processing for DGtal. Laureates (collective price, by alphabetical order): P.H. Cerdan, D. Cœurjolly, R. Denis, P. Gueth, B. Kerautret, J.-O. Lachaud, J. Levallois, K. Pluta, I. Sivignon, T. Roussillon

▷ 2010

The first award in a competition which consisted of proposing a use of Hewlett-Packard virtualization technologies

LANGUAGES

MOTHER TONGUE OTHER LANGUAGES

Polish

English – professional (scientific) French – sufficient (professional context)

ABILITIES

PROGRAMMING LANGUAGES

C/C++, Maple, Wolfram Language, Delphi, Oracle (PL/SQL), Microsoft SQL (T-SQL and SQLJet), DB2 SQL, Python, CUDA, Java, Fortran 95, Shell scripts, XPath, VBA

PROGRAMMING LIBRARIES

Qt, SDL, ITK, VTK, libDGtal, libPink

CASE AND OTHER TOOLS

git, svn, Valgrind, GNU Debugger, Amira

OTHER KNOWN TECHNOLOGIES

XML, LaTeX, HTML, TiKZ, Asymptote

HOBBIES

developing DGtal, reading popular science magazines and books, biking, listening to music, cooking