



Curriculum vitae Europass



Informatii personale

Nume / Prenume **Popa Constantin**
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Nationalitate Romana
Data nasterii 10.10.1956
Sex Masculin

Domeniul de activitate **Matematica Aplicata**

Experienta profesionala

Perioada	2001 -
Ocupatia si pozitie detinuta	CS III (cumul 50%)
Principale activitati si responsabilitati	Cercetare stiintifica
Numele si adresa angajatorului	Institutul de Statistica Matematica si Matematica Aplicata „Gheorghe Mihoc – Caius Iacob” al Academiei Romane, Calea 13 Septembrie, no. 13, 050711 Bucuresti, Romania
Sectorul de munca	Cercetare
Perioada	2008 _
	Conducere doctorat; domeniu: Matematica; subdomeniu: Analiza numerica
Perioada	Oct. 2002 – Aug. 2003
	Profesor de Matematica Aplicata la Institutul de Informatica 10 (Systemsimulation), Universitatea Erlangen-Nuernberg, Germania
Perioada	2000 -
Ocupatia si pozitie detinuta	Profesor univ.
Principale activitati si responsabilitati	Didactica, cercetare stiintifica, administrativa/conducere
Numele si adresa angajatorului	Universitatea Ovidius din Constanta, Blvd. Mamaia 124, 900527 Constanta, Romania
Sectorul de munca	Educatie / Cercetare

	Perioada	1996 – 2000
Ocupatia si pozitie detinuta		Conferentiar univ.
Principale activitati si responsabilitati		Didactica, cercetare stiintifica, administrativa/conducere
Numele si adresa angajatorului		Universitatea Ovidius din Constanta, Blvd. Mamaia 124, 900527 Constanta, Romania
Sectorul de munca		Educatie / Cercetare
	Perioada	1990 – 1996
Ocupatia si pozitie detinuta		Lector
Principale activitati si responsabilitati		Didactica, cercetare stiintifica, administrativa/conducere
Numele si adresa angajatorului		Universitatea Ovidius din Constanta, Blvd. Mamaia 124, 900527 Constanta, Romania
Sectorul de munca		Educatie / Cercetare
	Perioada	1987 – 1990
Ocupatia si pozitie detinuta		Cercetator stiintific
Principale activitati si responsabilitati		Cercetare stiintifica
Numele si adresa angajatorului		Institutul de Inginerie Electrica (ICPE) – Universitatea Politehnica Bucuresti
Sectorul de munca		Cercetare
	Perioada	1984 – 1987
Ocupatia si pozitie detinuta		Matematician
Principale activitati si responsabilitati		Cercetare stiintifica
Numele si adresa angajatorului		Institutul National de Cercetare Stiintifica si Tehnica (INCREST), Bucuresti
Sectorul de munca		Cercetare
	Perioada	1981 – 1984
Ocupatia si pozitie detinuta		Profesor de matematica
Principale activitati si responsabilitati		Didactica
Numele si adresa angajatorului		Scoala cu clasele I – VIII nr. 107, Bucharest
Sectorul de munca		Educatie
	Educatie	
	Perioada	April – June 1998
		bursa DAAD postdoc la Institutul of Mathematica al Universitii Augsburg, Germania
	Perioada	Sept. 1996 – Aug. 1997
		Bursa postdoc la Departamentul de Matematica Aplicata si Informatica al Institutului Weizmann, Israel
	Perioada	Dec.1992 – Jan. 1993
		Bursa doctorala DAAD (German Academic Exchange Service) la Institutul de Informatica si Matematica Aplicata, Universitatea din Kiel, Germania
	Perioada	1990-1995
Calificare / diploma		Domeniu de doctorat– Matematica, Subdomeniu – Analiza numerica
Principale subiecte studiate / competente obtinute		Preconditionare, metode iterative, probleme liniare in sensul celor mai mici patrate
Numele institutiei / centrului de pregatire		Universitatea din Bucuresti
Nivelul de calificare		Studii doctorale
	Period	1976-1981
Calificare / diploma		Licentiat in Matematica
Principale subiecte studiate / competente obtinute		Notiuni de baza de matematica si informatica
Numele institutiei / centrului de pregatire		Universitatea din Bucuresti / Facultatea de Matematica

Nivelul de calificare Studii de licenta si studii aprofundate

Perioada 1975 – 1976

Qualification / diploma Serviciul militar obligatoriu

Perioada 1971 – 1975

Calificare / diploma Liceu

Principale subiecte studiate / Subiecte teoretice generale
competente obtinute

Numele institutiei / centrului de pregatire Liceul „Ion Neculce”, Bucuresti

Nivelul de calificare Studii liceala

Competente personale

Limba nativa Romana

Limbi straine cunoscute Engleza, Franceza, Germana

Autoevaluare <i>European level</i> (*)	Intelegere		Vorbire		Scriere
	Ascultare	Citit	Vorbit	Interactionare	Expresii scrise
Engleza	B2	B2	B2	B2	B2
Franceza	B1	B1	B1	B1	B1
Germana	A1	A1	A1	A1	A1

(*) [Common European Framework of Reference for Languages](#)

Competente sociale Capacitatea de a lucra in echipa dezvoltata prin colaborari internationale si proiecte de cercetare
Capacitatea de adaptare la contexte multiculturale
Abilitati de comunicare dezvoltate prin activitatea didactica, prezentari stiintifice la conferinte si vizite de lucru

Competente organizationale **Experienta manageriala**
Prorector la Universitatea Ovidius din Constanta, 2014 - 2016
Director al Scolii Doctorale de Stiinte Aplicate, 2014 – 2014
Seful Departamentului de Informatica si Metode Numerice 1998 – 2012

Experienta organizationala
Membru al Senatului Universitatii Ovidius din Constanta - 1998 – ...
Experienta in coordonarea unor echipe de cercetare stiintifica (vezi info. Suplimentare)
Experienta in organizarea de conferinte international (vezi info. Suplimentare)

Competente IT Sisteme de operare: Windows / Linux si aplicatii specifice (MS Office, etc)
MATLAB
Editorul LaTeX

Permis conducere Da (categoria B)

Domenii de expertiza in cercetarea stiintifica

- tehnici de reconstructie algebrica in Tomografia Computerizata
- tehnici de preconditionare pentru discretizari de tip element finit si diferente finite ale problemelor la limita
- metode iterative pentru formulari in sensul celor mai mici patrate pentru sisteme de ecuatii si inecuatii liniare (algoritmi de proiectie)
- probleme inverse – tehnici de regularizare si metode de aproximare a solutiei de norma minima pentru ecuatii integrale de speta I

Proiecte de cercetare

- 1 proiect national ca director
- 1 proiect national ca responsabil al partenerului UOC
- 1 bursa NATO ca partener

Profesor invitat

Decembrie 1, 2005 - Ianuarie 31, 2006 – DAAD profesor invitat la la Institutul de Informatica 10 (Systemsimulation), Universitatea Erlangen-Nuernberg, Germania

July 1 - August 31, 2009 - DAAD profesor invitat la la Institutul de Informatica 10 (Systemsimulation), Universitatea Erlangen-Nuernberg, Germania

July 1 - August 31, 2015 - DAAD profesor invitat la Image and Pattern Analysis Group, Universitatea din Heidelberg, Germania

Publications – vezi lista atasata

Participare la peste 50 conferinte in strainatate

Peste 30 prezentari invitate la universitati din Germania, Suedia, Ungaria

Profesor opponent la o teza de doctorat in Linkoepping, Suedia, 2008

Co-editor la 10 proceedings-uri de conferinte nationale (1998 - 2015)

Recenzor (peer-reviewer) la Inverse Problems, Intern. Journal of Computer Math., Comp. and Appl. Math., BIT Numer. Anal., Numer. Math., Math. and Computers in Simulation, Appl. Mat. And Comp.

Membri in Comitetul Stiintific la 9 conferinte internationale (ASIM – 2005 and 2006, ICAM 2004, 2008, 2010 and 2011, CAIM 2009, ICDSA Constanta 2009, CAIM 2012 Chishinev)

Organizator al 3rd (2004), 4th (2005), 5th (2006), 6th (2007), 7th (2008), 8th (2010), 9th (2012) and 10th (2014) Workshop on Mathematical Modelling on Environmental and Life Sciences Problems

Member in the editorial board of:

- Analele Stiintifice ale Universitatii Ovidius din Constanta, Seria Matematica;
<http://www.anstuocmath.ro/editorial-board> (ISI journal)

-The Electronic International Journal Advanced Modeling and Optimization;
<http://www.ici.ro/camo/journal/jamo.htm>

- Romanian Journal on Information Technology and Automatic Control;
<http://rria.ici.ro/indexeng.php>

Membership of professional organizations

GAMM (Gesellschaft für Angewandte Mathematik und Mechanik), Germany (since 1992)

GAMM Group on Numerical Linear Algebra, Germany (since 2000);

SIAM, U.S.A (since 2008);

AMS, U.S.A (since 2012);

Zentralblatt für Mathematik, Germany (reviewer, since 2001);

ILAS (International Linear Algebra Society), USA (since 2000);

Romanian Society of Mathematical Sciences (SSMR) (since 1990);

Romanian Society of Industrial and Applied Mathematics (ROMAI, since 2012)

Experienta in coordonarea unor echipe de cercetare stiintifica

Director de proiecte de cercetare internaționale

Nr. crt.	Proiect	Nr. Contract / Data / Contractor	Suma (RON)
1	NATO Collaborative Linkage Grant "Iterative solvers for bioelectric field problems", collaboration with Depart. of Computer Science 10, Univ. of Erlangen-Nurnberg, Germany and Utah Univ., USA; 2001 - 2004	PST.CLG.977924/2001/NATO	8000 euro
2	Cross-Border Maritime Spatial Plan for the Black Sea (august 2015 - aprilie 2016)	EASME/EMFF/2014/1.2.1.5/2/SI2.707672 MSP LOT 1 MARSPLAN BS /14.08.2015/European Comission	2.049.015,74 euro (316.000 for UOC)

Director de proiecte de cercetare naționale

Nr. crt.	Proiect	Nr. Contract / Data / Contractor	Suma (RON)
1	Sistem informatic bazat pe metode de calcul de inalta performanta pentru simularea fenomenelor complexe de curgere a nanofluidelor prin medii poroase, multifazice, cu reactii chimice (2004-2006)	PNCDI INFOSOC 131/30.08.2004/MEC	234.000 RON
2	Modelare matematica in procese de difuzie, coordonator - ISMMA Academia Romana, Bucharest (2005-2007)	CEEX 05-D11-25/1.06.2005/MEC	125.000 RON

Experienta in organizarea de conferinte internationale

1. *The Third Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, May 27 - 30, 2004, Constanta, Romania; organizat de Facultatea de Matematica si Informatica (FMI) a UOC in colaborare cu Institutul de Statistica Matematica si Matematica Aplicata (ISMMA) al Academiei Romane, Bucuresti; **presedintele comitetului de organizare**
2. *The Fourth Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, September 7 - 10, 2005, Constanta, Romania; organizat de FMI si ISMMA; **presedintele comitetului de organizare**
3. *The Fifth Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, September 10 - 13, 2006, Constanta, Romania; organizat de FMI si ISMMA; **presedintele comitetului de organizare**
4. *The Sixth Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, September 5 - 9, 2007, Constanta, Romania; organizat de FMI si ISMMA; **presedintele comitetului de organizare**
5. *The Seventh Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, October 22 - 25, 2008, Constanta, Romania; organizat de FMI si ISMMA; **presedintele comitetului de organizare**
6. *The Eighth Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, October 21 - 24, 2010, Constanta, Romania; organizat de FMI si ISMMA; **presedintele comitetului de organizare**
7. *The Ninth Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, November 1 - 4, 2012, Constanta, Romania; organizat de FMI si ISMMA; **presedintele comitetului de organizare**

8. *The Tenth Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, October 16 - 19, 2014, Constanta, Romania; organizat de FMI si ISMMA; **presedintele comitetului de organizare**
9. *The Eleventh Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, October 12 - 16, 2016, Constanta, Romania; organizat de FMI si ISMMA; **presedintele comitetului de organizare**
10. 6th INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS, September 18-21, 2008, Baia Mare, Romania; organizat de Departamentul de Matematica si Informatica al Universitatii de Nord, Baia Mare; **membru in comitetul stiintific**
11. 7th INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS, September 1-4, 2008, Baia Mare, Romania; organizat de Departamentul de Matematica si Informatica al Universitatii de Nord, Baia Mare; **membru in comitetul stiintific**
12. 8th INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS, October 27-30, 2011, Baia Mare, Romania; organizat de Departamentul de Matematica si Informatica al Universitatii de Nord, Baia Mare; **membru in comitetul stiintific**
13. 9th INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS, September 25-28, 2013, Baia Mare, Romania; organizat de Departamentul de Matematica si Informatica al Universitatii de Nord, Baia Mare; **membru in comitetul stiintific**
14. 18th Symposium on Simulationstechnique ASIM 2005, September 12-15, 2005; organizat de Universitatea Erlangen-Nurnberg, Germania; **membru in Comitetul de program**

List of all scientific publications Prof. univ. dr. Constantin Popa

a) PhD thesis

Popa C. - *Preconditioning and multigrid techniques for accelerating convergence of a class of iterative methods*, University of Bucharest, 1995; scientific advisor - Prof. dr. Dorel Homentcovschi

I. Books and chapters in books proceedings

7. Popa C., Nicola A. - *Advanced systems for image reconstruction* (in romanian), Chapter 2, 13-48, in "Medii virtuale multimodale distribuite", Popovici D. M. (coordinator) et al., Editura Universitaria, Craiova, 2015; ISBN 978-606-26-0049-5, 215 pages.

6. Popa C., Carp D., Serban C. - *Algorithms for unbalanced maritime container transportation problem. Theoretical and numerical developments*, Lambert Academic Publishing - AV Akademikerverlag GmbH & Co. KG, Saarbrücken, Germany, 2014 (144 pages); ISBN 978-3-659-25427-7

5. Popa C. - *Projection algorithms - classical results and developments. Applications to image reconstruction*, Lambert Academic Publishing - AV Akademikerverlag GmbH & Co. KG, Saarbrücken, Germany, 2012 (235 pages); ISBN 978-3-659-15960-2

4. Elfving T., Popa C., Nikazad T. - *A Class of Iterative Methods: Semi-Convergence, Stopping Rules, Inconsistency, and Constraining*, Chapter 9 (pages 157-184) in the book *Biomedical Mathematics: Promising Directions in Imaging, Therapy Planning, and Inverse Problems*; Editors: Yair Censor, Ming Jiang, Ge Wang, Medical Physics Publishing, Madison USA, 2010; ISBN: 978-1-930524-48-4

3. Popa C. - *Iterative methods for linear least-squares problems*, Series "Monografii Matematice", vol. **77**, West University of Timisoara, 2003 (118 pag.); ISSN 1453-7702

2. Popa C. - *Preconditioning techniques for linear and nonlinear problems*; PAMM Monographical Booklets vol. **MB 4**, Budapest 1997 (80 pages); ISSN 1417 278x; <https://www.zentralblatt-math.org/serials/en/search/?an=00004712>

1. Juncu Gh., Popa C. - *Introduction to multigrid methods* (in romanian); Editura Tehnică, Bucharest 1991 (192 pages); ISBN 973-31-0309-8

II. Textbooks and edited conference proceedings

14. Popa C., Pelican E. - *Introduction in numerical analysis* (in romanian), Editura MatrixRom, Bucuresti 2005; ISBN 973 - 685 - 991 - 6; 150 pages.

13. Popa C. - *Introduction in the theory of convergenve space and uniform structures* (in romanian), "Ovidius" Univ. Press, Constanta, 2000; ISBN 973-9289-61-4; 104 pages

12. Popa C. - *Matrix numerical analysis* (in romanian), Editura EUROBIT, Timisoara, 1996; ISBN 973-9201-42-3; 122 pages.

11. Popa C. - *Introduction in numerical analysis* (in romanian), Editura EUROBIT, Timisoara, 1996; ISBN 973-9201-50-4; 185 pages.

10. Popa C. - *Iterative methods for linear systems*; Editura EUROBIT, Timisoara, 1996; ISBN 973-9201-43-1; 185 pages.

9. Popa C. et al. - *Numerical analysis. Complements, exercises, computer programs*, Tipografia Universitatii Ovidius, Constanta, 1996; 164 pages.

8. Ion S., Popa C., eds. - *Topics in mathematical modelling of life sciences problems - Proceedings of the Ninth Workshop on Mathematical Modelling on Environmental and Life Sciences Problems*, Constanta, November 2012, Constanta, Romania; Ed. MatrixRom, Bucuresti, 2013; ISSN 2344-1801; 138 pages.

7. Ion S., **Popa C.**, eds. - Topics in mathematical modelling of life sciences problems - Proceedings of the Eighth Workshop on Mathematical Modelling on Environmental and Life Sciences Problems, Constanta, November 2012, Constanta, Romania; Ed. MatrixRom, Bucuresti, 2011; ISBN 978-973-755-772-8; 147 pages.

6. Marinoschi G, Ion S., **Popa C.**, eds. - Proceedings of the Sixth and Seventh Workshops on Mathematical Modeling of Environmental and Life Sciences Problems, Constanta, September 2007 and September 2008, Editura Academiei Romane, Bucuresti 2010; ISBN 978-973-27-1903-9; 281 pages.

5. Marinoschi G, Ion S., **Popa C.**, eds. - Proceedings of the Fifth Workshop on Mathematical Modeling of Environmental and Life Sciences Problems, Constanta September 2006, Editura Academiei Romane, Bucuresti 2008; ISBN 978-973-27-1641-0; 224 pages.

4. Marinoschi G, Ion S., **Popa C.**, eds. - Proceedings of the Fourth Workshop on Mathematical Modeling of Environmental and Life Sciences Problems, Constanta September 2005, Editura Academiei Romane, Bucuresti 2006; ISBN (13) 978-973-27-1358-7; 253 pages.

3. Marinoschi G, Ion S., **Popa C.**, eds. - Proceedings of the Second and Third Workshops on Mathematical Modeling of Environmental and Life Sciences Problems, Bucuresti June 2003 and Constanta May 2004, Editura Academiei Romane, Bucuresti 2004; ISBN 973-27-1113-2; 293 pages.

2. **Popa C.**, editor - Proceedings of the 7th Conference on Nonlinear Analysis, Numerical Analysis, Applied Mathematics and Informatics (Part II: Applied Mathematics and Informatics), Eforie Nord, 27-30.05.1999, OVIDIUS University Press, Constanta 2000, ISBN 973-9367-67-4; 95 pages.

1. **Popa C.**, editor - Proceedings of PAMM - CONF. PC - 122, Constanta, 18-25.07.1998; BAM-Proc./'98-LXXXVI-B (BULL-3), Technical University of Budapest; ISSN 0133-3526

III. Papers in Web of Science list; IF = 2015 ISI Thompson Impact Factor of the corresponding journal

57. Ion S., **Popa C.**, eds. - *Proceedings of the 10th Workshop on Mathematical Modelling of Environmental and Life Sciences Problems*, October 16-19, 2014 Constanta, Romania, Analele Stiintifice ale Universitatii Ovidius, Constanta. Seria Matematica, **XXIII (2015), fascicola 3**, Ovidius University Press, 220 pages; ISSN: 1224-1784; **IF - 0.383**

56. Carp D., Pomparău I., **Popa C.** - *Weaker assumptions for convergence of extended block Kaczmarz and Jacobi projection algorithms*; accepted for publication in Analele Stiintifice ale Universitatii Ovidius, Constanta. Seria Matematica; **IF - 0.383**

55. Petra S., **Popa C.** - *Single projection Kaczmarz extended algorithms*, Numerical Algorithms, 73(3)(2016), 791-806; **IF - 1.366**

54. Bobe A., Nicola A., **Popa C.** - *Weaker hypothesis for the general projection algorithm with corrections*, Analele Stiintifice ale Universitatii Ovidius, Constanta. Seria Matematica, **XXIII(3) (2015)**, 9-16; **IF - 0.383**

53. **Popa C.**, Prelik T., Ruede U. - *Regularized solution of LCP problems with application to rigid body dynamics*, Numerical Algorithms, **69 (2015)**, 145 - 156; **IF: 1.366**

52. **Popa C.**, Șerban C. - *Han-type algorithms for inconsistent systems of linear inequalities - A unified approach*, Applied Mathematics and Computation, **246 (2014)**, 247 - 256; **IF - 1.551**

51. Juncu Gh., Nicola A., **Popa C.**, Stroila E. - *Preconditioned conjugate gra-*

dient and multi-grid methods for numerical solution of multi-component mass transfer equations: II. Convection-diffusion-reaction equations, Numer. Heat Transfer A **66(11)**(2014), 1297 - 1319; **IF - 1.937**

50. Juncu Gh., Nicola A., **Popa C.**, Stroila E. - *Preconditioned conjugate gradient and multi-grid methods for numerical solution of multi-component mass transfer equations: I. Diffusion-reaction-equations*, Numer. Heat Transfer A **66(11)**(2014), 1268 - 1296 ; **IF - 1.937**

49. Carp D., **Popa C.**, Şerban C. - *Modified Han algorithm for inconsistent linear inequalities*, Carpathian Journal of Mathematics **31(1)** (2015), 145 - 156; **IF - 0.792**

48. Pomparau I., **Popa C.** - *Supplementary projections for the acceleration of Kaczmarz algorithm*, Applied Mathematics and Computation, **232C**(2014), 104-116; **IF - 1.551**

47. Jebelean P., **Popa C.** - *Numerical solutions to singular ϕ -Laplacian with Dirichlet boundary conditions*, Numerical Algorithms, **67(2)** (2014), 305-318; **IF - 1.366**

46. Jebelean P., **Popa C.**, Serban C. - *Numerical extremal solutions for a mixed problem with singular ϕ -Laplacian*, Nonlinear Differ. Equ. Appl. (NODEA), **21**(2014), 289-304; **IF - 0.797**;

45. Censor Y., Pantelimon I., **Popa C.** - *Family Constraining of Iterative Algorithms*, Numerical Algorithms, **66(2)**(2014), 323-338; **IF - 1.366**;

44. Pantelimon I., **Popa C.** - *Constraining by a family of strictly nonexpansive idempotent functions with applications in image reconstruction*, B I T Numer. Math., **53**(2013), 527-544; **IF - 0.957**

43. Grecu L., **Popa C.** - *Constrained SART algorithm for inverse problems in image reconstruction*, Inverse Problems and Imaging, **7(1)**(2013), 199-216; **IF - 1.131**

42. Juncu Gh., Nicola A., **Popa C.** - *Nonlinear multigrid methods for numerical solution of the variably saturated flow equation in two space dimensions*, Transport in Porous Media, **91**(2012), 35-47; **IF - 1.653**

41. Nicola A., Petra S., **Popa C.**, Schnörr C., *A general extending and constraining procedure for linear iterative methods*, Intern. Journal of Computer Mathematics, **89(2)**(2012), 231-253; **IF - 0.577**

40. Koestler H., **Popa C.**, Preclik T., Ruede U. - *On Kaczmarz's projection iteration as a direct solver for linear least squares problems*, Linear Algebra and its Applications **436(2)**(2012), 389-404; **IF - 0.939**

39. Nicola A., **Popa C.**, Rude U. - *On a regularization technique for Kovarik-like approximate orthogonalization algorithms*, Carpathian Journal of Mathematics, **27(1)**(2011), 114-122; **IF - 0.792**

38. Nicola A., **Popa C.**, Rude U. *Projection algorithms with correction*, Journal of Applied Mathematics and Informatics, **29 (3-4)**(2011), 697-712; **IF - 0.093**; <http://ksci.kisti.re.kr/kjcr/indicator/jourView.ksci?titBean.titSeq=E1MCA9>

37. **Popa C.** - *Extended and Constrained Diagonal Weighting Algorithm with application to inverse problems in image reconstruction*, Inverse Problems **26(6)**(2010)(17pp); DOI: 10.1088/0266-5611/26/6/065004; **IF - 1.323**

36. **Popa C.** - *A hybrid Kaczmarz - Conjugate Gradient algorithm for image reconstruction*, Mathematics and Computers in Simulation, **80(12)**(2010), 2272 - 2285; **IF - 0.949**

35. Juncu Gh., Nicola A., **Popa C.** - *Nonlinear multigrid methods for numerical solution of the unsaturated flow equation in two space dimensions*, Transport in Porous Media, **83**(2010), 637-652; **IF - 1.653**

- 34. Popa C.** - *Iterative Solvers for Tikhonov Regularization of Dense Inverse Problems*, Intern. Journal of Computer Mathematics, **87(14)**(2010), 3199-3208; **IF - 0.577**
- 33. Juncu Gh., Nicola A., Popa C., Udrescu T.** - *Nonlinear multigrid methods for solving Richards' equation in two space dimensions*, Carpathian Journal of Mathematics, **25(1)**(2009), 82 - 91; **IF - 0.577**
- 32. Nicola A., Popa C.** - *Sparse matrix techniques in scientific computing*, Studies in Informatics and Control, **18(1)**(2009), 33-38; **IF - 0.913**
- 31. Popa C.** - *On Cimmino's reflection algorithm*, Proceedings of the Romanian Academy, Series A, vol. **9 (1)**(2008), 13-19; **IF - 1.658**
- 30. Popa C.** - *Constrained Kaczmarz Extended algorithm for image reconstruction*, Linear Algebra and its Applications, **429 (8-9)**(2008), 2247 - 2267; **IF - 0.939**
- 29. Popa C.** - *Algebraic Multigrid Smoothing Property of Kaczmarz's Relaxation for General Rectangular Linear Systems*, Electronic Transactions in Numerical Analysis (ETNA), **29** (2008), 150 - 162; **IF - 0.759**
- 28. Mohr M., Popa C.** - *Numerical solution of symmetric least-squares problems with an inversion-free Kovarik type-algorithm*, Intern. Journal of Computer Mathematics, **85(2)**(2008), 271-286; **IF - 0.577**
- 27. Popa C.** - *On numerical solution of arbitrary symmetric linear systems by approximate orthogonalization*, Mathematics and Computers in Simulation **79(4)**(2008); **IF - 0.949**
- 26. Popa C., Udrescu T.** - *A fast solver for magnetostatic field problems*, Romanian Journal of Physics, **52(3-4)**(2007), 237-24; **IF - 0.924**
- 25. Juncu Gh., Mosekilde E., Popa C.** - *Numerical experiments with MG continuation algorithms*, Applied Numerical Mathematics, **56**(2006), 844 - 861; **IF - 1.337**
- 24. Petcu D., Popa C.** - *A new version of Kovarik's approximate orthogonalization algorithm without matrix inversion*, Intern. Journal of Computer Mathematics, **82(10)**(2005), 1235-1246; **IF - 0.577**
- 23. Popa C., Zdunek R.** - *Penalized least-squares image reconstruction for bore-hole tomography*, in Proceedings of Algorithm 2005 Conference on Scientific Computing, Vysoké Tatry - Podbanské, March 13-18, 2005; Slovak Univ. of Tech., Bratislava, 260-269; ISBN 80-227-2192-1
- 22. Nicolescu B., Popa C., Ruede U.** - *An extended-matrix preconditioner for nonself-adjoint nonseparable elliptic equations*, in Proceedings of Algorithm 2005 Conference on Scientific Computing, Vysoké Tatry - Podbanské, March 13-18, 2005; Slovak Univ. of Tech., Bratislava, 230-239; ISBN 80-227-2192-1
- 21. Popa C., Zdunek R.** - *Kaczmarz extended algorithm for tomographic image reconstruction from limited-data*, Mathematics and Computers in Simulation, **65(6)**(2004), 579-598; **IF - 0.949**
- 20. Mohr M., Popa C., Ruede U.** - *An iterative algorithm for approximate orthogonalization of symmetric matrices*, Intern. Journal of Computer Mathematics, **81(2)**(2004), 215-226; **IF - 0.577**
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