

1. Corespondență

- *Adresă de corespondență*: Departamentul de Matematică, 13 A. I. Cuza, 200585 Craiova, Romania
- *Adresă E-mail*: mmihailes@yahoo.com
- *URL*: <https://sites.google.com/site/mmihailes/home>

2. Studii

- 24 Iulie, 2012 **Abilitare în Matematică** cu teza: *The analysis of some PDE's and related problems*. Examinatori: Peter Hästö (University of Oulu, Finland), Cătălin Lefter (A. I. Cuza University, Romania), Sergiu Moroianu (Institute of Mathematics Simion Stoilow of the Romanian Academy, Bucharest).
<http://www.cnatdcu.ro/criterii/abilitare/sesiuni-publice-de-sustinere-teze-de-abilitare/sesiuni-publice-sustinere-teze-de-abilitare-p1/>
- 29 Octombrie, 2010 **Doctorat în Matematică** la Central European University, Budapesta, Ungaria, cu teza: *Eigenvalue problems for some elliptic partial differential operators*. Coordonator: Gheorghe Moroșanu. Examinatori: Eduard Feireisl (Czech Academy of Sciences), Alexandru Kristály (Babeș Bolyai University, Cluj-Napoca, Romania). Teza a primit distincția *Summa Cum Laude* și a obținut premiul *CEU Best Dissertation Award* pentru anul academic 2010-2011.
http://web.ceu.hu/math/People/Alumni_and_Friends/Alumni/Alumni.html
<https://mathematics.ceu.hu/node/22800>
<http://www.ceu.hu/admissions/financialaid/other/awardsrecipients#best1011>

- 15 Ianuarie, 2007 **Doctorat în Matematică** la Universitatea din Craiova, Romania, cu teza: *Variational and Topological Methods in the Study of Semilinear and Quasilinear Problems*. Coordonator: Vicențiu Rădulescu. Examinatori: Lucian Beznea (Institutul de Matematică *Simion Stoilow* al Academiei Române, București), Alberto Farina (Université de Picardie, Franța), Radu Precup (Universitatea Babeș Bolyai , Cluj-Napoca, Romania). Teza a primit distincția: *Magna Cum Laude*.
- 2003 **Master** Sisteme dinamice și ecuații de evoluție, la Universitatea din Craiova cu teza de disertație: *Probleme la limită pentru ecuații eliptice neliniare*. Coordonator: Vicențiu Rădulescu.
- 2001 **Licență în matematică**, la Universitatea din Craiova cu teza: *Metoda punctului critic în studiul problemelor la limită*. Coordonator: Vicențiu Rădulescu.
- 1996-1997 **Absolvent al primului an de studii** la Institutul Național de Științe Aplicate din Lyon (L'Institut National Des Sciences Appliquées), Franța.
- 1996 **Bacalaureat**, la *Liceul Nicolae Bălcescu* din Craiova (în prezent, *Colegiul Național Carol I*).

3. Activitate profesională

- 2012-prezent *Conferențiar universitar* la Departamentul de Matematică din cadrul Universității din Craiova.
- 2007-2012 *Asistent universitar* la Departamentul de Matematică din cadrul Universității din Craiova.
- 2003-2007 *Preparator* la Departamentul de Matematică din cadrul Universității din Craiova.

4. Granturi

- *Director* al proiectului de cercetare: *Variable Exponent Analysis: Partial Differential Equations and Calculus of Variations* (grant finanțat de CNCS-UEFISCDI, număr proiect PN-II-ID-PCE-2012-4-0021), 02 Septembrie 2013-30 Septembrie 2016. (1500000 lei)
<https://sites.google.com/site/mihailes/grant-cnscs-uefiscdi-pn-ii-id-pce-2012-4-0021>

- **Director Go8 European Fellowship** (grant finanțat de Go8 Australian Universities) la *School of Mathematics and Statistics* de la *University of Sydney* (Australia) în perioada 1 August- 30 Noiembrie 2012. (20000 AUD)
- **Director** al proiectului de cercetare: *Probleme neliniare modelate de operatori diferentiali neomogeni* (grant finanțat de CNCSIS-UEFISCSU, număr proiect PN II-RU PD-117/2010), 28 Iulie 2010-28 Iulie 2012. (340000 lei)
- **Membru** în proiectul de cercetare: *Analysis, Control and Numerical Approximations of Partial Differential Equations* (grant finanțat de CNCS-UEFISCDI, număr proiect PN-II-ID-PCE-2011-3-0075), 1 Octombrie 2011-1 Octombrie 2014, director proiect: Ioan-Liviu Ignat. (1500000 lei)
- **Membru** în proiectul de cercetare: *Proprietati calitative ale ecuatiilor cu derivate partiale si ale aproximariilor lor numerice* (grant finanțat de CNCSIS, număr proiect PNII TE-4/2010), 28 Iulie 2010-28 Iulie 2013, director proiect: Ioan-Liviu Ignat. (750000 lei)
- **Membru** în proiectul de cercetare: *Procese Neliniare Degenerate si Singulare* (grant finanțat de CNCSIS, număr proiect PNII 78/2007), 1 Octombrie 2007-30 Septembrie 2010, director proiect: Vicențiu Rădulescu. (1000000 lei)

5. Premii

- *"Simion Stoilow" Prize of the Romanian Academy for 2010.*
http://www.acad.ro/com2012/pag_com12_1213.htm
- *CEU Best Dissertation Award* pentru anul academic 2010-2011.
<https://mathematics.ceu.hu/node/20046>
<http://www.ceu.hu/admissions/financialaid/other/awardsrecipients#best1011>
- *Award for Advanced Doctoral Students*, în anul academic 2008-2009, la *Central European University, Budapesta, Ungaria.*
http://web.ceu.hu/math/People/PhD_Students/CEU_Awards.html

6. Activități editoriale

- Membru în comitetul editorial al jurnalului *Abstract and Applied Analysis*.
<http://www.hindawi.com/journals/aaa/editors/>
- Membru în comitetul editorial al jurnalului *International Journal of Pure Mathematics*.
<http://www.naun.org/cms.action?id=6985>

7. Conferințe, workshop-uri, prezentări

- Workshop: **Resultats concernant le p-Laplacien avec p non-constant**, Noiembrie 6, 2007, Institut of Mathematics Simion Stoilow of the Romanian Academy, Bucharest, Romania (titlul prezentării: *Spectral properties of some nonhomogeneous differential operators*).
<http://www.imar.ro/~purice/Inst/Conferinte-07.html>
- Workshop: **Some Topics in Applied Mathematics**, 21 Noiembrie, 2007, Central European University, Budapest, Hungary (titlul prezentării: *A continuous spectrum for non-homogeneous differential operators in variable exponent spaces*).
http://web.ceu.hu/math/News&Events/Archives/Archives_2006_2009.html
- Workshop: **Calculus of Variations and Optimization**, 2 Octombrie, 2008, Central European University, Budapest, Hungary (titlul prezentării: *Eigenvalue problems for anisotropic elliptic equations*).
http://web.ceu.hu/math/News&Events/Archives/Archives_2006_2009.html
- **Workshop on Partial Differential Equations**, 29-30 Octombrie, 2008, Institut of Mathematics Simion Stoilow of the Romanian Academy, Bucharest, Romania (titlul prezentării: *Eigenvalue problems involving variable exponents*).
<http://www.imar.ro/~epurice/conferences/2008/workshop-ignat-rp3.pdf>
- Workshop: **Nonlinear Difference and Differential Equations and Applications**, 2-4 Aprilie, 2009, University of Rousse, Bulgaria (titlul prezentării: *Eigenvalue problems associated to the Laplace operator*).
- **Romanian-German Symposium on Mathematics and Its Applications**, Sibiu (Hermannstadt), Romania, 14-17 Mai, 2009 (titlul prezentării: *Some eigenvalue problems associated to the Laplace operator*).
<http://depmath.ulbsibiu.ro/event/rogers2009/>

- Workshop: **Applied Analysis**, 12 Februarie, 2010, Central European University, Budapest, Hungary (titlul prezentării: *Degenerate elliptic equations involving variable exponent growth conditions*).

<http://web.ceu.hu/math/News&Events/News&Events.html>

- Workshop: **Nonlinear Difference and Differential Equations and Applications**, 22-24 Aprilie, 2010, University of Rousse, Bulgaria (titlul prezentării: Γ -*Convergence of functionals in Sobolev spaces with variable exponents*).

- **Variable Exponent Analysis**, 28 Iunie - 2 Iulie, 2010, University of Oulu, Finland (titlul prezentării: Γ -*convergence for some power-law functionals involving nonstandard growth conditions*).

<http://www.helsinki.fi/hasto/varexpo/>

- **Departmental Seminar of the Department of Mathematics and its Applications from the Central European University, Budapest, Hungary, 28 Septembrie, 2010** (titlul prezentării: *An eigenvalue problem for an elliptic differential operator with the Neumann boundary condition*).

<http://web.ceu.hu/math/Research/Sessions.html>

- **Workshop on Partial Differential Equations**, 25-26 Noiembrie, 2010, Institut of Mathematics Simion Stoilow of the Romanian Academy, Bucharest, Romania (titlul prezentării: Γ -*convergence of functionals involving variable exponents*).

http://www.imar.ro/math-mode/2010/workshop_imar_2010.pdf

- **Workshop for Young Researchers in Mathematics**, 12-13 Mai, 2011, "Ovidius" University of Constanța, Constanța, Romania (titlul prezentării: *Mosco convergence for some power law functionals involving variable exponents*)

<http://math.univ-ovidius.ro/workshop/2011/WYRM/>

- **Workshop on Applied Mathematics**, 26 Mai, 2011, Central European University, Budapest, Hungary (titlul prezentării: *Mosco convergence of functionals in Sobolev spaces with variable exponents*)

<http://mathematics.ceu.hu/news/2011-05-21/>

workshop-on-applied-mathematics-dedicated-to-the-20th-anniversary-of-ceu

- **The Seventh Congress of Romanian Mathematicians**, 29 Iunie - 5 Iulie, 2011, "Transilvania" University of Brașov, Brașov, Romania (titlul prezentării: *Mosco convergence for some power law functionals involving variable exponents*)

<http://imar.ro/organization/activities/standalone/congmattro2011/conf.php>

- **International Conference on Differential & Difference Equations and Applications**, 4-8 Iulie, 2011, Azores University, Ponta Delgada, Portugal (titlul prezentării: *Mosco convergence for some power law functionals involving variable exponent growth conditions*)

<http://www.spinelas.uac.pt/AzoresConference.htm>

• **ICNAAM 2011, 9th International Conference of Numerical Analysis and Applied Mathematics**, 19-25 Septembrie, 2011, G-Hotels, Halkidiki, Greece (titlul prezentării: *An existence result for a PDE involving a Grushin type operator and variable exponents*)

<http://www.icnaam.org/>

• **Analysis Seminar of the Department of Mathematics and Statistics from Loyola University Chicago**, 17 Octombrie, 2011, (titlul prezentării: *On a maximum principle related with eigenvalue problems involving variable exponents*)

<http://webpages.math.luc.edu/~mbocea/AnalysisSeminar-Fall2011.html>

• **AMS Western Section Meeting**, 22-23 Octombrie, 2011, University of Utah, Salt Lake City, Utah, USA (titlul prezentării: *A maximum principle connected with eigenvalue problems involving variable exponents*)

http://www.ams.org/meetings/sectional/2184_program_ss15.html

• **Seminar of the PDE's Research Group from Basque Center of Applied Mathematics, Bilbao, Spain**, 14 Februarie, 2012, (titlul prezentării: *Remarks on the first eigenvalue of the $p(x)$ -Laplace operator*)

http://www.bcamath.org/public_visitors/ctrl_visitors.php?acion=past

• **Workshop for Young Researchers in Mathematics**, 10-11 Mai, 2012, "Ovidius" University of Constanța, Constanța, Romania (titlul prezentării: *A maximum principle related with eigenvalue problems involving variable exponents*)

<http://math.univ-ovidius.ro/workshop/2012/WYRM/>

• **PDE Seminar of the School of Mathematics and Statistics from the University of Sydney**, 3 Septembrie, 2012 (titlul prezentării: *PDE's involving variable exponents*)

<http://www.maths.usyd.edu.au/u/PDESeminar/index12.html>

• **Australian Mathematical Society 56-th Annual Meeting**, 24 - 27 Septembrie, 2012, University of Ballarat, Ballarat, Australia (titlul prezentării: *Mosco convergence for some power law functionals involving variable exponent growth conditions*)

<http://www.ballarat.edu.au/schools/school-of-science-and-technology/>

[australian-mathematical-society-56th-annual-meeting/program/abstracts-by-session](http://www.ballarat.edu.au/schools/school-of-science-and-technology/australian-mathematical-society-56th-annual-meeting/program/abstracts-by-session)

• **PDE/Analysis seminar of the Mathematical Sciences Institute, College of Physical & Mathematical Sciences from the Australian National University**, 13 Noiembrie, 2012, (titlul prezentării: *Classification of isolated singularities for equations involving the Finsler-Laplace operator*)

<http://maths.anu.edu.au/events/>

[pdeanalysis-seminar-classification-isolated-singularities-equations-involving-finsler-laplace](http://maths.anu.edu.au/events/pdeanalysis-seminar-classification-isolated-singularities-equations-involving-finsler-laplace)

- **Pure Maths Seminar of the School of Mathematics and Statistics from the University of New South Wales**, 20 Noiembrie, 2012, (titlul prezentării: *Classification of isolated singularities for equations involving the Finsler-Laplace operator*)
http://www.maths.unsw.edu.au/seminars/archive/2012-11?term_node_tid_depth_3=207
- **PDE Seminar of the School of Mathematics and Statistics from the University of Sydney**, 21 Noiembrie, 2012, (titlul prezentării: *Classification of isolated singularities for equations involving the Finsler-Laplace operator*)
<http://www.maths.usyd.edu.au/u/PDESeminar/index12.html>
- **Advances in Differential Equations: symmetrizations and related topics**, 14-15 Martie, 2013, Babeş-Bolyai University, Cluj-Napoca, Romania (titlul prezentării: *The asymptotic behavior of some power-law functionals in Sobolev spaces with variable exponents*)
<https://sites.google.com/site/idei0241/mini-workshop>
- **Joint International Meeting of the AMS and the Romanian Mathematical Society**, 27-30 Iunie, 2013, 1 Decembrie 1918 University, Alba Iulia, Romania (titlul prezentării: *PDE's involving a variable exponent Grushin-type operator*)
<http://imar.ro/ams-ro2013/talks.html>
<http://www.ams.org/meetings/international/internmtgs>
- **PDE Seminar of the School of Mathematics and Statistics from the University of Sydney**, 26 Septembrie, 2013, (titlul prezentării: *The asymptotic behavior of some power-law functionals in Sobolev spaces with variable exponents*)
<http://www.maths.usyd.edu.au/u/PDESeminar/>
- **Australian Mathematical Society 57-th Annual Meeting**, 30 Septembrie - 03 Octombrie, 2013, University of Sydney, Sydney, Australia (titlul prezentării: *Eigenvalue problems in Orlicz-Sobolev spaces for rapidly growing operators in divergence form*)
<http://www.maths.usyd.edu.au/u/austms2013/abstracts.html>
- **Research Seminar on Nonlinear Operators and Differential Equations**, 13 Martie, 2014, "Babeş-Bolyai" University, Cluj-Napoca, Romania (titlul prezentării: *An eigenvalue problem involving a nonhomogeneous operator in divergence form*)
<http://www.math.ubbcluj.ro/~nodeacj/soned.html>
- **Workshop for Young Researchers in Mathematics**, 22-23 Mai, 2014, "Ovidius" University of Constanța, Constanța, Romania (titlul prezentării: *Eigenvalue problems in Orlicz-Sobolev spaces for rapidly growing operators in divergence form*)
<http://math.univ-ovidius.ro/Workshop/2014/WYRM/>

8. Conferințe organizate

- **Special Session on Applied Analysis la AMS Western Section Meeting**, 22-23 Octombrie, 2011, University of Utah, Salt Lake City, Utah, USA (co-organizator împreună cu Marian Bocea, Department of Mathematics and Statistics, Loyola University Chicago).

http://www.ams.org/meetings/sectional/2184_program_ss15.html

- **Special Session on Calculus of Variations and Partial Differential Equations la Joint International Meeting of the AMS and the Romanian Mathematical Society**, 27-30 Iunie, 2013, 1 Decembrie 1918 University, Alba Iulia, Romania (co-organizator împreună cu Marian Bocea - Loyola University Chicago; Liviu Ignat - Institute of Mathematics of the Romanian Academy; Daniel Onofrei - University of Houston).

<http://imar.ro/ams-ro2013/CalcVarPDE.php>

http://www.ams.org/meetings/international/2193_program_ss8.html#title

- **Special Session on Analysis la Le 12ème Colloque Franco-Roumain en Mathématiques Appliquées**, 25-30 August, 2014, University of Lyon, Lyon, France (co-organizator împreună cu Daniel Belțiță - Institute of Mathematics of the Romanian Academy; Emmanuel Russ - Joseph Fourier University, Grenoble).

<http://cfr2014.univ-lyon1.fr/>