

Călin Adrian COMES

CONTACT INFORMATION	Department of Financial & Accounting, Petru Maior University of Țirgu-Mureș, Nicolae Iorga, 1, Țirgu-Mureș, MUREȘ county, 540088, ROMANIA.	<i>Mobile:</i> +40-745-399-337, <i>Phone:</i> +40-265-219-034/313 <i>Email:</i> calin.comes@ea.upm.ro, http://davos.science.upm.ro/ccalin
CITIZENSHIP	ROMANIAN	
MANAGEMENT	Petru Maior University, Țirgu-Mureș, ROMANIA, Head of Financial-Accounting Department, Faculty of Economics, Law and Administrative Science, Petru Maior University, Țirgu-Mureș, Romania, 18 December 2015 - 18 December 2019 Sandoz Romania, Țirgu-Mureș, ROMANIA, Head of IT Department, Țirgu-Mureș, Romania, 1 July 2002 - 1 July 2004 S.C. UNIC SA, Romania, Țirgu-Mureș, ROMANIA, Head of IT Department, Țirgu-Mureș, Romania, 1 October 1998 - 1 July 2001	
MEMBERSHIP	Regional Studies Association (RSA) Academy of Management(AoM) British Sociological Association(BSA) International Society for Ecological Economics (ISEE) Romanian National Group of International Society for Clinical Biostatistics (RNG-ISCB) European Association of Labour Economists (EALE) The Continuous Optimization Working Group of EURO (COWGEURO) Society for Probability and Statistics in Romania(SPRS) Romanian Research Group for Corporate Finance (RoRGCF)	
EDUCATION	The Research Institute for Quality of Life, Romanian Academy, Bucharest, ROMANIA Post Doctoral Studies, Cybernetics and Statistics in Economy, June 2014 - September 2015 Thesis Topic: <i>Interrelated factors analysis to determine the orbit of social cybernoze</i> Adviser : Prof.univ.dr. Valentina Vasile, Scientific Director at Institute of National Economy, Scientific Researcher 1 st rank, (e-mail: valentinavasile2009@gmail.com; phone: +40-021-318-24-71) Casa Academiei - București sector 5, Calea 13 Septembrie nr.13, 050711, ROMANIA Area of Study: Economics Babeș-Bolyai University, Cluj-Napoca, CLUJ county, ROMANIA Ph.D., Cybernetics and Statistics in Economy, October 2012 Thesis Topic: <i>Data Migration in Enterprise Resource Planning Systems</i> Adviser: Professor Ph.D. Nicolae Ghișoiu Area of Study: Economics B.S., Cybernetics, Statistics and Informatics in Economy Faculty, April 2000 Major in Computer Science Minor in Cybernetics and Statistics in Economy License paper: <i>Integrated Development Environment in Tcl/Tk</i>	
TEACHING EXPERIENCE	Associate Professor Department of Financial & Accounting, Petru Maior University of Țirgu-Mureș Lecturer in Econometrics field for Accounting and Management Information System Students - undergraduate Lecturer in RDBMS field for Accounting and Management Information System Students - undergraduate Lecturer in Web Technologies field for Computer Science Students - undergraduate	October 2014 to present

Lecturer in Data Mining field for Financial & Banking Students - graduate
University Lecturer October 2007 to October 2014
 Department of Financial & Accounting, Petru Maior University of Tîrgu-Mureş
 Lecturer in RDBMS field for Accounting and Management Information System Students - undergraduate
 Lecturer in Web Technologies field for Computer Science Students - undergraduate
 Lecturer in Data Mining field for Financial & Banking Students - graduate
Assistant Professor October 2003 to October 2007
 Department of Financial & Accounting,
 Petru Maior University of Tîrgu-Mureş
 Prepare seminars in RDBMS field for Accounting and Management Information System Students
 Prepare seminars in Web Technologies field for Computer Science Students
Teaching Assistant September 2001 to October 2003
 Department of Financial & Accounting, Petru Maior University of Tîrgu-Mureş
 Prepare seminars in RDBMS field for Accounting and Management Information System Students
 Prepare seminars in Visual Programming field for Computer Science Students

RESEARCHER ID Researcher ID: A-4084-2010 ISI Web of Knowledge, Published by Thomson Reuters

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SCHOLAR
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 ANALYTICS

The National Heritage of Călimani Mountains: Peering Inside Unspoiled Wilderness. Comes C.-A., Popa M.-A. **2019**, 73–81, In: Vasile V. (eds) Caring and Sharing: The Cultural Heritage Environment as an Agent for Change. Springer Proceedings in Business and Economics. Springer, Cham;
 The Impact of Foreign Direct Investments and Remittances on Economic Growth: A Case Study in Central and Eastern Europe. Comes, C.-A.; Bunduchi, E.; Vasile, V.; Stefan, D. Sustainability **2018**, 10(1), 238. (Impact Factor JCR 2017: 2.075) DOI. Times Cited Web of Science - Clarivate Analytics: 1;

Reducing the bandwidth of a sparse matrix with a genetic algorithm, Petrică Pop , Oliviu Matei, and Călin-Adrian Comes, Optimization - A Journal of Mathematical Programming and Operations Research, Volume 63, Issue 12, **2014**, Taylor & Francis (Impact Factor JCR 2015: 0.936) DOI, Times Cited Web of Science - Clarivate Analytics: 3;

Lotka-Volterra in Financial Systems, COMES C.A., Procedia Economic and Finance, Volume 3, pp. 251–255, Elsevier, **2012**, Times Cited Web of Science - Clarivate Analytics: 7;

Data Envelopment Analysis method in Higher Education, COMES C.A., RUS I., MUNTEANU A., NISTOR P., TRIPON A., Proceedings of 6th International Seminar on the Quality Management in Higher Education, Pages: 39–42 Published: **2010**.

Determining students' academic failure profile founded on data mining methods, BRESFELEAN, VP; BRESFELEAN, M; GHISOIU, N; COMES C.A. PROCEEDINGS OF THE ITI 2008 30th INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY INTERFACES Pages: 317–322 Published: 2008, Times Cited Web of Science - Clarivate Analytics: 13;

Data mining clustering techniques in academia, BRESFELEAN, VP; BRESFELEAN, M; GHISOIU, N; COMES, C.A. ICEIS 2007: PROCEEDINGS OF THE 9th INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS Pages: 407–410 Published: 2007, Times Cited Web of Science - Clarivate Analytics 4,

Entity Relationship Stored Procedure Meta Language COMES, CA; RUS, I; GHISOIU, N; et al. PROCEEDINGS OF THE 7th INTERNATIONAL CONFERENCE ON APPLIED INFORMATICS AND COMMUNICATIONS Pages: 265–270 Published: 2007, Times Cited Web of Science - Clarivate Analytics 1,

- Schema Mapping for RDBMS, COMES, C.A.; SPATACEAN, IO; STEFAN, D; et al. ICEIS 2008: PROCEEDINGS OF THE 10th INTERNATIONAL CONFERENCE ON ENTERPRISE INFORMATION SYSTEMS, VOL DISI Pages: 541–544 Published: 2008,
- A Cost-Volume-Profit model for a multiproduct situation with variable production structure STEFAN, D; STEFAN, AB; SAVU, L; et al. 20th INTERNATIONAL CONFERENCE, EURO MINI CONFERENCE CONTINUOUS OPTIMIZATION AND KNOWLEDGE-BASED TECHNOLOGIES, EUROPT'2008 Pages: 349–352 Published: 2008, Times Cited Web of Science - Clarivate Analytics: 2;
- Universal symbolic translator for procedural language over SQL COMES, CA; SAVU, LD; SPATACEAN, IO; et al. ADVANCES ON APPLIED COMPUTER AND APPLIED COMPUTATIONAL SCIENCE Pages: 639–644 Published: 2008,
- Inovative holistic aspects of the activities in a continuous educational center TRIPON, A; COMES, CA; RUSU, C; et al. Management of Technological Changes, Book 1 Pages: 303–308 Published: 2005,
- CONFERENCES Caring and Sharing. The Heritage Environment as an Agent for Change, 29th May-3th June 2016, Istanbul, Turkey
- SCMR-JEMS 3rd ANNUAL CONFERENCE, March 16th, 2016, Sussex Centre for Migration Research Chichester 1 lecture theatre, University of Sussex, Brighton, UK
- 9th International Conference on Computational and Financial Econometrics (CFE 2015), University of London, UK, 12-14 December 2015.
- Heritage as an alternative driver for sustainable development and economic recovery in South East Europe, Potenza, Basilicata, Italy, 11-14, April 2014,
- GIKA 2013 Global Innovation and Knowledge Academy 2013, Valencia, Spain, 9-11 July, 2013
- 10th EUROPT Workshop on Advances in Continuous Optimization, Lithuania, Sialuai, 4-7 July, 2012
- 10th International Conference on Enterprise Information Systems, Barcelona, Spain, 12 - 16, June 2008
- 7th International Conference on APPLIED COMPUTER & APPLIED COMPUTATIONAL SCIENCE, Hangzhou, China, 4-11, April 2008,
- 7th International Conference on Applied Informatics & Communication, Vouliagmeni, Athens, Greece, 24-26 August 2007,
- Models 2006 Doctoral Symposium, ACM/IEEE 7th Models2006, Genova, Italia 1-6 October 2006,
- Models 2005 Doctoral Symposium ACM/IEEE 6th Models2005, Montego Bay, Jamaica 2-7 October 2005,
- 4th International Conference on Management of Technological Changes, Chania, Greece, 2005.
- CONFERENCE POSTERS Comes, C.A., and Ghişoiu N. Database Diagrams with OCL. In: *ACM / IEEE 8th International Conference on Model Driven Engineering Languages and Systems*, Half Moon Resort, Montego Bay, Jamaica, October 2-7, 2005. Poster abstract.
- Comes, C.A., Complete Constraint Language In: *ACM / IEEE 9th International Conference on Model Driven Engineering Languages and Systems*, Genoa, Italy, October 1-6, 2006. Poster abstract.
- OTHER PUBLICATIONS SCOPUS INDEX Comes C.A., Ghişoiu N. *Business Process Management with Unified Modeling Language*. Proceedings of the 5th Int. Conf. on DATA NETWORKS, COMMUNICATIONS & COMPUTERS, Bucharest, Romania, October 16–17, 2006. Times Cited: 7, IEEE and ACM
- GUEST EDITOR Valentina V., Comes C.A., Stefan A.-B., Munteanu A. *Procedia Economics and Finance, Elsevier, 2014, Vol 32 Editorial EMQFB2014*
- Stefan D., Munteanu A., Stefan A.-B., Nistor P., Comes C.A. *Procedia Economics and Finance, Elsevier, 2013, Vol 15, Editorial EMQFB2013*
- Stefan, D., Comes C.A. *Procedia Economics and Finance, Elsevier, 2012, Vol 3, Editorial EMQFB2012*.
- Bogdan M., Comes C.A., Stefan D., Weber G.-W. *Optimization, Taylor & Francis , 2014, Vol 63-12 Editorial Optfin2012*.

BOOK	Comes C.A. , Stored Procedure Migration in ERP Systems, Editura Lambert Academic Publishing, ISBN-13: 978-3-659-51290-2, ISBN-10:3659512907 Stored Procedure Migration in ERP Systems
BOOK IN PREPARATION CHAPTERS IN BOOKS	Comes C.A. Caeteris Non Paribus Comes C.A., Bresfelean P.V., Social Networking Analysis of ReCADD with Petri Nets, 25-33, Cambridge Scholars Publishing, ISBN 978-1-4438-4425-3. Bresfelean P.V., Bresfelean M., Comes C.A. Decision trees an clusters: An Analysis of Student's Activity on the Romanian Labour Market, pp 29-37, Cambridge Scholars Publishing, ISBN 978-1443843348.
GRANTS	Digital Transformation in the Danube Region Start date 01-01-2017 : End date 30-06-2019, Budget Overall: 2106825,97 EUR National Council for Scientific Research in Higher Education Universal symbolic translator for procedural language over SQL, Grant CNCISIS nr. 124 PN II - RU - MC/2008 , 2008, 2000 EUR Petru Maior University of Tîrgu-Mureş, PhD GRANT 2005, 1000 USD
RESEARCH PROJECT	Clubs Network for Adaptability and Sustainable Development , Tîrgu-Mureş, MURES county, ROMANIA, http://www.recadd.ro <i>IT Project Manager</i> October 2009 to June 2011 Implement, Design and Maintain educational/social portal for Sustainable Development in FSE POS-DRU 39/3.2/G/37787 EUROPEAN GRANT. 500 000 EUR, Project Manager Ph.D. Avram TRIPON. STUDIA UNIVERSITATIS PETRU MAIOR SERIES OECONOMICA ISSN:1843-1127 , Tîrgu-Mureş, MURES county, ROMANIA, http://oeconomica.upm.ro <i>Site Administrator, Web Administrator</i> October 2007 to present Implement, Design and Maintain the STUDIA UNIVERSITATIS "Petru Maior" SERIES OECONOMICA journal site. Emerging Markets Queries in Finance and Business , Tîrgu-Mureş, MURES county, ROMANIA, http://www.rorcf.ro <i>Site Administrator, Web Administrator</i> February 2012 to present Implement, Design and Maintain the EMQFB2012, EMQFMB2013 sites. Optimization in Finance OPTFIN2012 WORKSHOP , Tîrgu-Mureş, MURES county, ROMANIA, http://optfin2012.upm.ro <i>Site Administrator, Web Administrator</i> May 2012 to present Implement, Design and Maintain workshop site.
PROFESSIONAL EXPERIENCE	SC SANDOZ ROMANIA S.R.L , member of NOVARTIS group, 7A, Livezeni Street, Tîrgu-Mureş, zip: 540472, MURES county, ROMANIA <i>IT Project Manager</i> June 2002 to June 2004 Manage the IT Department (4 members) Manage the IT Infrastructure (ITIL) IT Project Manager in SAP R/3 Implementation (FI, CO, MM, SD, PP) Manage the acquisition for IT Infrastructure(Hard, Soft) Manage the implementation for Standard Operation Procedures, GMP, FDA, ISO 9001 SC AZOMURES SA , 300, Gheorghe Doja Street, Tîrgu-Mureş, MUREŞ county, zip: 540237, ROMANIA <i>IT Analyst</i> June 2000 to September 2001 Design, Implement, Maintain MIS application over SAP R/3; Implement the Standard Operation Procedures, TUV, ISO 9001. SC UNIC S.A. , member of Broad Hurst group, 54, Trandafirilor Square, Tîrgu-Mureş, MUREŞ county, ROMANIA <i>IT Manager</i> October 1998 to June 2000 Analyze, Implement, Maintain the integrated software application -pre ERP from SC UNIC SA (Windows 9x /Linux (Informix SE)) Manage the IT Infrastructure (ITIL).

QUALITY

MANAGEMENT IN HIGHER EDUCATION

Director of the Quality Assessment Commission within the Department of Finance and Accounting at the Faculty of Economic, Legal and Administrative Sciences of "Petru Maior" University of Tirgu Mures, responsible for checking and ensuring the quality of the study programs of the department: Accounting and Management Informatics , respectively Finance and Banking.

TECHNICAL SKILLS

MATLAB, SPSS, R, S, GRETL, WEKA experience: linear algebra, Fourier transforms, nonlinear numerical methods, polynomials, statistics, N -dimensional filters, visualization, data mining, time series(AR, MA, ARMA, ARIMA, ARMAX, ARCH, GARCH)

Programming: C, C++, C#, Java, JavaScript, HTML4, HTML5, CSS, SVG, Perl, PHP, UNIX, shell scripting.

Computer Applications: \TeX (\LaTeX , \BibTeX), dvi2ps, ps2pdf, most common productivity packages(for Windows, Mac OS X, Solaris, and Linux platforms), vi, pico, Vim, MS Office, OpenOffice, Lotus Suite.

Operating Systems: Microsoft Windows family, Apple Mac OS X, Linux, BSD, Solaris, and other UNIX variants.

AWARDS

Awarding of research results - National Council for Scientific Research in Higher Education, Romania for article: Reducing the bandwidth of a sparse matrix with a genetic algorithm, Petrică Pop , Oliviu Matei, and Călin-Adrian Comes, Optimization - A Journal of Mathematical Programming and Operations Research, Volume 63, Issue 12, 2014, Taylor & Francis (Impact Factor JCR 2015: 0.936)

PEER-REVIEW

ACTIVITY FOR INTERNATIONAL PROJECTS H2020 EUREKA

Horizon 2020, European Commission, Research Executive Agency, Marie Skodowska-Curie Individual Fellowships EXPERT CONTRACT, CONTRACT NUMBER - CT-EX2013D159448-101 Number of Proposals evaluated remotely (IERS) -8, Number of Consensus Reports finalized -8

PNCDI III, Subprogramme 3.5, EUREKA Network/ EUREKA Clusters 2016 Evaluator in projects with ID's PN-III-P3-3.5-EUK-2016-0022 PN-III-P3-3.5-EUK-2016-0011

REFERENCES

AVAILABLE TO CONTACT

Prof.univ.dr. Valentina Vasile, Scientific Director at Institute of National Economy, Scientific Researcher 1st rank, (e-mail: valentinavasile2009@gmail.com; phone: +40-021-318-24-71)

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Ph.D. Daniel Stefan, Associate Professor, (e-mail: daniel.stefan@ea.upm.ro; phone: +40-745-34-55-64)

Nicolae Iorga, 1, Tirgu-Mures, 540088, MURES County, ROMANIA

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Babes-Bolyai University, Faculty of Economics and Business Administration, Cluj-Napoca, ROMANIA