

# **2018 9th International Conference on Information, Intelligence, Systems and Applications (IISA 2018)**

**Zakynthos, Greece  
23-25 July 2018**



**IEEE Catalog Number: CFP1834V-POD  
ISBN: 978-1-5386-8162-6**

**Copyright © 2018 by the Institute of Electrical and Electronics Engineers, Inc.  
All Rights Reserved**

*Copyright and Reprint Permissions:* Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

***\*\*\* This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP1834V-POD
ISBN (Print-On-Demand):	978-1-5386-8162-6
ISBN (Online):	978-1-5386-8161-9

**Additional Copies of This Publication Are Available From:**

Curran Associates, Inc  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: (845) 758-0400  
Fax: (845) 758-2633  
E-mail: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

## **Table of Contents**

<b>Comparison of DBaaS Architectures .....</b>	<b>1</b>
Irina Astrova, Arne Koschel, Chris Eickemeyer, and Norman Offel	
<b>Digital Representations and Cultural Heritage Interactions through the “Greek Type” Watermills Case .....</b>	<b>6</b>
Stavroula Tzima, Georgios Styliaras, Georgios Smyris, and Athanasios Bassounas	
<b>The Research Development of Cultural Mapping Libraries .....</b>	<b>12</b>
Spiridon Mousouris, and Georgios Styliaras	
<b>Representation of WHAT-Knowledge Structures as Ontology Design Patterns .....</b>	<b>18</b>
Dmitry Litovkin, Anton Anikin, Marina Kultsova and Elena Sarkisova	
<b>The Impact of an Experiment Design Software Scaffold on Students’ Conceptual Understanding and Inquiry Skills .....</b>	<b>24</b>
Zacharias Zacharia, Nikoletta Xenofontos, and Tasos Hovardas	
<b>Discrete Approach to the Quality of Medical Care Assessment Using an Auto-mated Information System at Inpatient Hospitals of the Volgograd Region.....</b>	<b>31</b>
Tamara Dyachenko, Boris Lempert, Natalia Salnikova, Victoria Ivanenko, and Lev Lempert	
<b>Development of the Intellectual Decision-Making Support Method for Medical Diagnostics in Psychiatric Practice .....</b>	<b>37</b>
Lev B. Lempert, Boris A. Lempert, Natalia A. Salnikova, Alla G. Kravets, and Olga V. Poplavskaya	
<b>Intellectual competencies assessment in scientific research and engineering business .....</b>	<b>42</b>
Olga Marukhina, Olga Berestneva, and Irina Dubinina	
<b>Business Management System for Genomics .....</b>	<b>49</b>
Jitao Yang	
<b>Neural embeddings for metaphor detection in a corpus of Greek texts .....</b>	<b>55</b>
Eirini Florou, Konstantinos Perifanos, and Dionysis Goutsos	
<b>Smart Laboratory Information System Accelerates Genomics Research.....</b>	<b>59</b>
Jitao Yang	
<b>Parzen Density Estimator for Complex Pattern Classification and High Dimensional Data Analysis .....</b>	<b>63</b>
C. Lee, S. Woo and J. Rim	
<b>Dynamic Threshold for Resource Tracking in Observed Scenes .....</b>	<b>68</b>
Iyiola E. Olatunji and Chun-Hung Cheng	

<b>Neural embeddings for idiolect identification .....</b>	<b>74</b>
Konstantinos Perifanos, Eirini Florou, and Dionysis Goutsos	
<b>Cone Transform for Size-Tolerant Object Recognition.....</b>	<b>77</b>
C. Lee, J. Rim and S. Woo	
<b>A Mobile Application for Multimodal Trip Planning .....</b>	<b>80</b>
Nikos Dimokas, Kostas Kalogirou, Pavlos Spanidis, and Dionysis Kehagias	
<b>Biological Network Analysis and Subnetwork Extraction Tool.....</b>	<b>88</b>
Danielle M. Rodriguez, Angelyn Lao, and Geoffrey A. Solano	
<b>Radiolarian Classification Decision Support Using Supervised and Unsupervised Learning Approaches.....</b>	<b>94</b>
Geoffrey A. Solano, Perlita Gasmen, and Edanjarlo J. Marquez	
<b>Pathway based Human Disease Clustering and Similarity Analysis Tool Using Frequent Structure Mining .....</b>	<b>100</b>
Delwyn P. Mendoza, Angelyn Lao, and Geoffrey A. Solano	
<b>Time series analysis sales of sowing crops based on machine learning methods.....</b>	<b>106</b>
Mohammed A. Al-Gunaid, Maxim V. Shcherbakov, Vladislav V. Trubitsin, and Alexandr M. Shumkin	
<b>Empirical Study of Associative Classifiers on Imbalanced Datasets in KEEL .....</b>	<b>112</b>
Zulfiqar Ali, Muhammad Nadeem Akhtar, Hafiza Maria Kiran, Rehan Ahmad, Zishan Hussain Chuhan, and Waseem Shahzad	
<b>VIRTUE - a virtual reality trainer for hand hygiene .....</b>	<b>119</b>
Lauren Clack, Christian Hirt, Marcel Wenger, Dirk Saleschus, Andreas Kunz, and Hugo Sax	
<b>Time, Place, and Modus Operandi: A Simple Apriori Algorithm Experiment for Crime Pattern Detection .....</b>	<b>121</b>
Peng Chen, and Justin Kurland	
<b>Non-Immersive Virtual Cardiac Auscultation Interactions employing a 3D Printed Stethoscope .....</b>	<b>124</b>
Tatiana Ortegon Sarmiento, Mario Vargas, Alvaro Uribe Quevedo, David Rojas, Bill Kapralos, and Byron Perez-Gutierrez	
<b>Data Recovery and Security in Cloud .....</b>	<b>126</b>
Jayachander Surbiryala, and Chunming Rong	
<b>Applying an instructional design method to serious games – experiences and lessons learned .....</b>	<b>131</b>
Tjitske Faber, Mary Dankbaar, and Jeroen van Merriënboer	
<b>Group affect Recognition: Evaluation of basic automated sorting.....</b>	<b>134</b>
Andreas M. Triantafyllou, and George A. Tsirhrintzis	

<b>Interactive Personalized eBooks for Education.....</b>	<b>142</b>
Stavros Droutras, Panagiotis Patsilinakos, and Antonios Symvonis	
<b>Creative Information Exploration in Journalism .....</b>	<b>150</b>
Konstantinos Zachos, Dimitris Apostolou, Fotis Paraskevopoulos, Stergios Ientsek, Neil Maiden, Amanda Brown, and Gregoris Mentzas	
<b>Usability of Puzzle and Gesture-based CAPTCHAs on Smartphones via Statistical Analysis.....</b>	<b>157</b>
Radmila Jankovic, and Alessia Amelio	
<b>Facial Expression Detection Employing a Brain Computer Interface.....</b>	<b>165</b>
David Zhao, Shane MacDonald, Thomas Gaudi, Alvaro Uribe-Quevedo, Miguel Vargas Martin, and Bill Kapralos	
<b>Extending Upper Limb User Interactions in AR, VR and MR Headsets Employing a Custom-made Wearable Device.....</b>	<b>167</b>
Luca Micelli, David Acosta, Alvaro Uribe-Quevedo, Fabrizio Lamberti, and Bill Kapralos	
<b>Using Sharemind as a Tool to Develop an Internet Voting System with Secure Multiparty Computation.....</b>	<b>171</b>
Ruahden Dangawan, Joyce Anne Piscos, and Richard Bryann Chua	
<b>A New Dissimilarity Measure for Clustering with Application to Dermoscopic Images.....</b>	<b>178</b>
Lucio Amelio, Radmila Jankovic, and Alessia Amelio	
<b>Digitization of Athens School of Fine Arts artworks based on optical 3-D Scanning and Photogrammetry .....</b>	<b>186</b>
Dimitrios Makris, Savvina Fotiou, Melina Aikaterini Vlachou, Ioannis Skaltsas, and Leonidas Karampinis	
<b>The mathematical model of reflection for selfadaptive software.....</b>	<b>193</b>
A.M. Berhadsky, A.S. Bozhdai, Yu. I. Evseeva, and A.A. Gudkov	
<b>A Situation Detection Mechanism for Pervasive Computing Infrastructures .....</b>	<b>198</b>
Nikos Papageorgiou, Dimitris Apostolou, Yiannis Verginidis, Andreas Tsagkaropoulos, and Gregoris Mentzas	
<b>Improved Support Vector Regression Coupled with Fourier Self- Deconvolution in the Quantitative Analysis of Glucose in NIR Spectra.....</b>	<b>206</b>
Krishna Chaitanya Patchava, Mohammed Benissa, Hatim Behairy, and S Alshebeili	
<b>Cooperating Robots for Production and Assembly: A Technical Review .....</b>	<b>213</b>
Sotirios Spanogianopoulos	
<b>Particle Swarm Optimization and Applications in Robotics: A Survey .....</b>	<b>220</b>
Sotirios Spanogianopoulos	

<b>Measuring Engagement to Assess Performance of Students in Distance Learning .....</b>	<b>227</b>
Andreas F. Gkонтzis, Sotiris Kotsiantis, Chris T. Panagiotakopoulos, and Vassilios S. Verykios	
<b>Supporting Conceptual Change with a Game-like Fraction Tutor.....</b>	<b>234</b>
Despina Lepenioti, Stella Vosniadou, Katerina Lepenioti, Dimitrios Mathioudakis, and Christina Aleksandris	
<b>Adaptive Edge and Fog Computing Paradigm for Wide Area Video and Audio Surveillance .....</b>	<b>239</b>
Ioannis Ledakis, Thanassis Bouras, G.Kioumourtzis, and M.Skitsas	
<b>A Non-Linguistic Approach for Human Emotion Recognition from Speech.....</b>	<b>244</b>
Evaggelos Spyrou, Ioannis Vernikos, Rozalia Nikopoulou, and Phivos Mylonas	
<b>Mobile Applications and Games for a Digital Educational Program on Art and Culture in Secondary School .....</b>	<b>249</b>
Myrto Michala, Christos Alexakos, and Dimitrios Tsolis	
<b>Social Media in Greek and German Wineries' Websites .....</b>	<b>255</b>
Constantina Costopoulou, Maria Ntaliani, and Filotheos Ntalianis	
<b>Novel and Robust GreenSoul-ed Lighting Controller.....</b>	<b>261</b>
Aristeidis Apostolidis, Stelios Krinidis, and Dimitrios Tzovaras	
<b>Predicting University Students' Grades Based on Previous Academic Achievements .....</b>	<b>268</b>
Maria Tsiakkaki, Georgios Kostopoulos, Giannis Koutsonikos, Christos Pierrakeas, Sotiris Kotsiantis, and Omilos Ragos	
<b>CSR in Food and Beverage Industry: the Greek Case.....</b>	<b>274</b>
Constantina Costopoulou, Maria Ntaliani, and Filotheos Ntalianis	
<b>An IoT-based insular monitoring architecture for smart viticulture.....</b>	<b>278</b>
Yorghos Voutos, Phivos Mylonas, Evaggelos Spyrou, and Eleni Charou	
<b>Augmented Reality on Building Information Models.....</b>	<b>282</b>
Christoph Sydora, and Eleni Stroulia	
<b>EVALUATING 3D SERIOUS GAMES ON CULTURAL EDUCATION .....</b>	<b>286</b>
Vangelis Drosos, Christos Alexakos, Athansia Alexandri, and Dimitris Tsolis	
<b>Online platform for university admission .....</b>	<b>291</b>
Andreea Robu, Ioan Filip, Raul Robu, Iosif Szeidert, and Cristian Vasar	
<b>A NoSQL Database Approach for Modeling Heterogeneous and Semi-Structured Information.....</b>	<b>296</b>
Gerasimos Vonitsanos, Andreas Kanavos, Phivos Mylonas, and Spyros Sioutas	
<b>Adding value to sensor data of civil engineering structures: Automatic outlier detection.....</b>	<b>304</b>

Antonio Lorvao Antunes, Elsa Cardoso, and Jose Barateiro	
<b>Managing, assessing and forecasting algorithms for the exchange student's adaptation monitoring.....</b>	<b>310</b>
Olga Marukhina, Olga Berestneva, Sergey Romanchukov, Elena Berestneva, Oksana Fisochenko, and Ludmila Petrova	
<b>ScaLib: Scalable Library System Based on Google App Engine .....</b>	<b>317</b>
Philip Matesanz, Dennis Buchner, Arthur Fordeier, Arne Koschel, Torben Lange, and Irina Astrova	
<b>On the Detection of Wandering using Trajectories Datasets .....</b>	<b>323</b>
Antoni Martinez-Balleste, Abdulrahman Al-Molegi, and Edgar Batista	
<b>Revealing cause-effect relations in comorbidities analysis using process mining and tensor network decomposition.....</b>	<b>329</b>
Joan T. Matamalas, Alex Arenas, Antoni Martinez-Balleste, Agusti Solanas, Carlos Alonso-Villaverde, and Sergio Gomez	
<b>A Review on the Meaning of Cognitive Cities .....</b>	<b>334</b>
Juvenal Machin, and Agusti Solanas	
<b>Process Mining in Healthcare: A Systematic Review.....</b>	<b>339</b>
Edgar Batista, and Agusti Solanas	
<b>Efficient Wireless Channel Characterization in Medicalised Vehicles for Smart Health .....</b>	<b>345</b>
Fran Casino, Peio Lopez-Iturri, Leyre Azpilicueta, Erik Aguirre, Francisco Falcone, Constantinos Patsakis, and Agusti Solanas	
<b>Blockchain Meets Smart Health: Towards Next Generation Healthcare Services .....</b>	<b>351</b>
Thomas K. Dasaklis, Fran Casino, and Constantinos Patsakis	
<b>A Web-based Application for Innovative Hospital Appointment Scheduling using Neural Network...</b>	<b>359</b>
Konstantinos Rammou, Spyros Papadimitriou, Maria Virvou, and Efthimios Alepis	
<b>Smart Tourism through social network user modeling: a literature review.....</b>	<b>365</b>
Aristea Kontogianni, Katerina Kabassi, Maria Virvou, and Efthimios Alepis	
<b>A Survey on Routing Protocols in Vehicular Ad hoc Networks.....</b>	<b>369</b>
Sabbagh Amani Ahmad, and Maxim Shcherbakov	
<b>Improved Segmentation Technique Based on Graph Theory.....</b>	<b>377</b>
Jing Zhang, Shanshan Zhao, Tianchi Zhang, Geng Chen, and Jing Yang	
<b>Methods for extracting the descriptions of sci-tech effects and morphological features of technical systems from patents .....</b>	<b>383</b>
Dmitriy M. Korobkin, Sergey A. Fomenkov, and Alla G. Kravets	

<b>Web-service for translation of pictogram messages into Russian coherent text .....</b>	<b>387</b>
Marina Kultsova, Dmitry Matyushechkin, and Anton Anikin	
<b>SafeHome App: Design and Usability for a Digital Application to Promote Physical Safety To Persons Living with Dementia.....</b>	<b>392</b>
Eva Peisachovich, Lora Appel, Don Sinclair, Regina Jokel, Celina Da Silva, and Wajma Soroor	
<b>An Ontological Representation of Interface Patterns in Context of Interface Adaptation for Users with Special Needs.....</b>	<b>395</b>
Marina Kultsova, Anastasiia Potseluico, Anton Anikin, and Andrey Usov	
<b>Support System in the Detection of Lesions of Blackleg of Oilseed Rape, by means of Image Processing and Artificial Neural Networks: Empirical Case Study Preventive type for Fungal Alerts.....</b>	<b>400</b>
Marcos Levano, and Esteban Montandon	
<b>Performance Evaluation of an SSL Algorithm for Forecasting the Dow Jones Index Stocks .....</b>	<b>406</b>
Ioannis E. Livieris, Andreas Kanavos, Gerasimos Vonitsanos, Niki Kiriakidou, Anastasios Vikatos, Konstantinos Giotopoulos, and Vassilis Tampakas	
<b>On Ontologies and Knowledge Associations in Gamified Environments.....</b>	<b>414</b>
Christos Tatsiopoulos, Danai – Maria Katsanta	
<b>Implementing imagination-based pedagogies in a web-based Computer Supported Collaborative Language Learning writing activity: Orchestration issues .....</b>	<b>421</b>
Eirini Dellatola, Thanasis Daradoumis, and Yannis Dimitriadis	
<b>Providing Individualized Support to Course Authors in LMSs through Instructor Modelling .....</b>	<b>425</b>
Maria Moundridou, Maria Virvou, and Odysseas Tigas	
<b>A Methodology and a Mobile Tool aiming at the Analysis of the EU Framework Programmes' Impact on Cultural Sustainability.....</b>	<b>430</b>
Danai-Maria Katsanta, and Dimitrios Tsolis	
<b>Opinion Mining and Visualization of Online Users Reviews : A Case Study in Booking.com .....</b>	<b>435</b>
Isidoros Perikos, Argyro Tsirtsi, Konstantinos Kovas, Foteini Grivokostopoulou, Ioannis Daramouskas, and Ioannis Hatzilygeroudis	
<b>Aligning pattern extraction algorithms for the lambda architecture .....</b>	<b>440</b>
Tariq Lambachri, Amir Hajjam El Hassani, and Emmanuel Andres	
<b>A Flexible On-Board Unit Architecture for Sensor Data and Fleet Management Services.....</b>	<b>445</b>
Mark Stevens, and Ioannis Nikolaidis	
<b>Evaluating the Websites of the Museums' Conservation Labs: the Hidden Heroes .....</b>	<b>453</b>
Katerina Kabassi, Athanasios Botonis, and Christos Karydis	

<b>A Web based modular environment for Assisting Health Policy Making Utilizing Big Data Analytics .</b>	<b>457</b>
Konstantinos Moutselos, Dimosthenis Kyriazis, and Ilias Maglogiannis	
<b>Algorithm of Estimation and Correction of Wireless Telecommunications Quality .....</b>	<b>462</b>
Aleksander V. Kopyltsov, Gennady V. Abrahamyan, Aleksander D. Sotnikov, Alla G. Kravets, Galiya R. Katasonova, and Anush M. Atayan	
<b>Integration of Bioinspired Vision Principles towards the Design of Autonomous Guidance, Navigation, and Control Systems .....</b>	<b>466</b>
George Giakos, Tannaz Farrahi, Nicolas Douard, Michael Surovich,Suman Shrestha, Gloria Bauman, Anthony Benitati, Hussam Eldin Mohamed, Zoe Giakos, Na Ying, Michalis Zervakis, and George Livanos	
<b>Research of the LDA algorithm results for patents texts processing .....</b>	<b>474</b>
Alla G. Kravets, Sergey S. Vasiliev, and Dmitriy V. Shabanov	
<b>Features for Melanoma Lesions Characterization in Computer Vision Systems.....</b>	<b>480</b>
Eugenio Vocaturo, Ester Zumpano, and Pierangelo Veltri	
<b>A Network Selection Scheme with Adaptive Criteria Weights for 5G Vehicular Systems.....</b>	<b>488</b>
Emmanouil Skondras, Angelos Michalas, Nikolaos Tsolis, and Dimitrios D. Vergados	
<b>A Novel Indoor Positioning using Smart Luminaires .....</b>	<b>495</b>
Iuliana Marin, Nicolae Goga, and Andrei Vasilateanu	
<b>Optimising Parameters in Recurrence Quantification Analysis of Smart Energy Systems.....</b>	<b>500</b>
Georgios Giasemidis, and Danica Vukadinovic Greetham	
<b>Activity Recognition For Smart-Lighting Automation at Home .....</b>	<b>507</b>
Devon Sigurdson, and Eleni Stroulia	
<b>Photovoltaic Array Simulation and Fault Prediction via Multilayer Perceptron Models .....</b>	<b>603</b>
Farib Khondoker, Sunil Rao, Andreas Spanias, and Cihan Tepedelenlioglu	
<b>Optimizing Activity Detection via Sensor Fusion.....</b>	<b>608</b>
Farib Khondoker, Trevor Thornton, Andreas Spanias, and Uday Shankar Shanthamallu	
<b>Challenges in input preprocessing for mobile OCR applications: A realistic testing scenario.....</b>	<b>613</b>
Nikolaos Sourvanos, and Georgios Tsatiris	
<b>Load Management of Electric Vehicles Charging in New Generation Power Markets Based on Fuzzy Logic and the Concept of Virtual Budget.....</b>	<b>618</b>
Rafik Fanti, Maria Karasimou, Ioannis Tsionas, Lefteri H. Tsoukalas, and Miltiadis Alamaniotis	
<b>Assessing the tourism potential of the Greek islands of South Aegean .....</b>	<b>624</b>
A. Ballis, J. A. Paravantis, and T. Moschovou	

<b>Using hierarchical modeling of thinking skills to lead students to higher order cognition and enhance social e-learning.....</b>	<b>631</b>
Christos Troussas, Akrivi Krouskas, Maria Virvou, and Eleni Sougela	
<b>Modeling of new technical systems using causeeffect relationships .....</b>	<b>636</b>
Svetlana V. Davydova, Dmitriy M. Korobkin, Sergey A. Fomenkov, Sergey G. Kolesnikov	
<b>A Route Selection Scheme for supporting Virtual Tours in Sites with Cultural Interest using Drones .</b>	<b>640</b>
Emmanouil Skondras, Konstantina Siountri, Angelos Michalas, and Dimitrios D. Vergados	
<b>Social Annotation Tools in Digital Learning: A Literature Review .....</b>	<b>646</b>
Akrivi Krouskas, Christos Troussas, and Maria Virvou	
<b>A multicriteria framework for assessing sentiment analysis in social and digital learning: Software Review.....</b>	<b>650</b>
Christos Troussas, Akrivi Krouskas, and Maria Virvou	
<b>Create dynamically adaptive test on the fly using fuzzy logic .....</b>	<b>657</b>
Konstantina Chrysafiadi, and Maria Virvou	
<b>A Geopolitical Review of Definitions, Dimensions and Indicators of Energy Security .....</b>	<b>665</b>
J. A. Paravantis, A. Ballis, D. Tsirigotis, N. Kontoulis, and V. Dourmas	
<b>Software Measures for Common Design Patterns Using Visual Studio Code Metrics .....</b>	<b>673</b>
Andreas Karavokyris, and Efthimios Alepis	
<b>Mobile Personal Information Exchange over BLE .....</b>	<b>680</b>
Evangelos Sakkopoulos, Zafeiria-Marina Ioannou, and Emmanouil Viennas	
<b>Applying Skinnerian Conditioning for shaping skill performance in online tutoring of programming languages.....</b>	<b>688</b>
Akrivi Krouskas, Christos Troussas, Maria Virvou, and Christos Kyriakos Frangkakis	
<b>Data Quality in Mobile Crowd Sensing Systems: Challenges and Perspectives .....</b>	<b>693</b>
Konstantina Banti, Filomeni Katsimpoura, Malamati Louta, and George T. Karetos	
<b>Enhanced CLWPR Protocol with Social Properties Exploiting Physical Proximity in VANETs.....</b>	<b>701</b>
Nikolaos Mantas, Malamati Louta, Konstantinos Katsaros, Stylianos Kraounakis, and George T. Karetos	
<b>A Stereotype user model for an educational game: Overcome the difficulties in game playing and focus on the educational goal .....</b>	<b>707</b>
Margaritis Kamitsios, Konstantina Chrysafiadi, Maria Virvou and Evangelos Sakkopoulos	
<b>FSP Creator: A novel web service API creator of fuzzy students progress profile.....</b>	<b>713</b>
Spyros Papadimitriou, Konstantina Chrysafiadi, Margaritis Kamitsios, and Maria Virvou	

<b>Intelligent Tutoring Systems and Transparency: The Case of Children and Adolescents.....</b>	<b>720</b>
Eirini Mougiaikou, Spyros Papadimitriou, and Maria Virvou	
<b>Overcoming Intelligently Some of the Drawbacks of Fuzzy Cognitive Maps .....</b>	<b>728</b>
Peter P. Groumpos	
<b>Deep Learning Techniques for Electronic Health Record Analysis.....</b>	<b>734</b>
Luciano Caroprese, Pierangelo Veltri, Eugenio Vocaturo, and Ester Zumpano	