

ABSTRACT - FUNDAMENTAL AND COMPLEMENTARY SCIENCE

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CODIFYING THE LAW OF THE SEA

Abstract: The law of seas and oceans is an issue continuously debated in international meetings, in international forums, including at the level of the United Nations, which, in 1982, at the Third UN Conference, adopted the Convention on the Law of the Sea. Unlike the first two conferences, one in 1958 and the other in 1960, the third conference was not based anymore on previously developed projects or documents but its works were placed in the UN, namely in the First (Political and Security) Committee and not in the sixth Committee, i.e. the legal Committee.

Keywords: Convention on the Law of the Sea, Romania, Montego Bay Convention on the Law of the Sea

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NONDIFFERENTIABLE MULTI-OBJECTIVE PROGRAMMING INVOLVING HIGHER-ORDER GENERALIZED (F, \square, b) -CONVEXITY

Abstract: We define higher-order (F, \square, b) -convexity and generalized higher-order (F, \square, b) -convexity. We consider a nondifferentiable multiobjective programming problem involving support functions and present a higher-order dual model for this problem and we prove some duality results under appropriate higher-order (F, \square, b) -convexity conditions.

Keywords: Higher-order duality, nondifferentiable multiobjective programming, higher-order (F, \square, b) -(pseudo-, quasi-) convexity.

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ANALYSIS OF THE CONVENTION ON THE CARRIAGE OF GOODS BY SEA

Abstract: Since their adoption, one by one, each of the aforementioned conventions have suffered criticism, the aim of creating the Rotterdam Rules being to impose a unitary legal regime for the carriage of goods by sea. If the Hague Rules and Hague - Visby were favorable to shipowners and their carriers in terms of the limits of liability, Hamburg Rules have tipped the balance in favor of shippers of goods, with then a real schism between exporting – importing goods countries and nations with major commercial fleets. Depending on economic interests, they either maintained Hague-Visby Rules or introduced Hamburg Rules.

Keywords: Marine environment, International conventions, Transport

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THE ANTIOXIDANT EFFECT OF THE VITAMINE E IN A DEEP DIVING TEST AT 180 METRES DEPTH

Abstract: A deep saturation dive induces a hepatic, myocardic and biliary system disturbances. As a result, plasma activities of both transaminases (aspartate aminotransferase (AST) and alanine aminotransferase (ALT)), alkaline fosfatase, lactat dehidrogenase and gamma-glutamyl transferase have increased significantly.

Assuring that the liver and heart dysfunction was attributable to oxidative stress, we examined the effects of supplementation of the antioxidant vitamin E on liver and heart function in saturation divers. The antioxidants taken appeared to prevent a hepatic and miocardic disturbance, indicating that a deep saturation dive provokes liver and heart dysfunctions probably due to oxidative stress.

We recommend that saturation divers should take supplements of antioxidants.

Key words: liver function, oxidative stress, antioxidants, saturation divers

MARIA CRISTINA CHIRU, MEDA UDROIU (pg. 194-195)

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MOBBING IN ORGANIZATIONS

Abstract: Presently mobbing is highly debated in the scientific community and it represents one of the most powerful stress sources in the work environment. Mobbing refers to hostile actions, aggressiveness (verbal, physical, sexual), professional discrediting, despise and isolation. Relationships within the work environment can easily degenerate into mobbing, which may have various causes such as faulty leadership, individual characteristics of the employees that could turn them into victims. In this study we will define the phenomenon, type of actions which can be considered 'mobbing', causes and effects, as well as the advantages of an early detection of the said phenomenon.

Keywords: mobbing, organization, bullying, aggressiveness

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A REEVALUATION OF THE INFLUENCE OF PSYCHOLOGY ON INTELLIGENCE ANALYSES

Abstract: The complexity of the contemporary world requires a multidisciplinary approach of the innovative processes and phenomena of the social scene. Diversification of security threats and, simultaneously, the multiplication of the sources of information require the adaptation of the tools specific to intelligence analyse, both on the operational and analytical level. In this context, this paper proposes a reassessment of established implications of social psychology on intelligence analysis to highlight their relevance in a world saturated of data, where the analyst plays a role more and more significant.

Key-words: psychology of analyses, cognitive biases

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METEOROLOGY TERMS AND THEIR SURPRISING MEANINGS AND ORIGINS

Abstract: All scientific fields have specialized words, many of them very arcane to outsiders. Meteorology, as interdisciplinary scientific study of the atmosphere and its phenomena, has its fare share of specialized words. They form a scientific jargon used to refer to different kinds of atmospheric phenomena and to different instruments used to measure their intensity. Many of these terms, referring to various kinds of winds and windstorms, to types of clouds and forms of precipitation, for example, are words that have a long and intricate history which, in many cases, is closely related to certain parts of the world and their specific climates. This paper attempts to

put together various examples of “weather words” that have quite surprising meanings and origins and thus give a helping hand to those who are interested in delving into the study of atmospheric phenomena, of weather and climate, and ultimately of our environment.

Key words: weather, meteorology, wind, cloud, precipitation

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INTERMAR PROJECT WEBSITE – A BLENDED LEARNING TOOLKIT

Abstract: This paper accounts for the final outcome of INTERMAR project (519001-LLP-2011-PT-KA2MP) – a course toolbox, available online on the Sorbonne platform, that is the result of collaboration between the naval and maritime institutions in 8 EU-countries that share an intercomprehensive approach to languages. With its uniquely designed modules, it is intended as a toolkit for successful practice of intercomprehension at sea by students in naval/maritime schools and adult learners in in-service training within a 60-hour blended course. There will be a brief description of the project itself and the project website, and also a focus on the innovative aspect of this project – the task-based learning materials.

Key-words: INTERMAR, blended learning, intercomprehension at sea, languages

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CIVIL LIABILITIES IN THE BIBLE: PERJURY AND ITS CONSEQUENCES

Abstract: The paper will focus on the sin and offense of perjury and its consequences, on sins which break the civil law, especially on criminal offenses, as any civil action which has resulted, as a consequence, in the material and moral harm of an individual, will lead to civil liabilities. Both the Old Testament and the New Testament blame sins because they break the Divine Will. It is true that any offense is a sin but not any sin is an offense. The will to break the law is not an offense, but it is a sin, as according to Jesus Christ's teachings, even sinful thoughts are sins. The offenses as sins can be committed by word, such as perjuries, defamation, threats, etc., actions which kill the reputation and dignity of an individual. The moral liability, as a consequence of man's free will, gives him the possibility of choice on his actions and/or nonactions, implying, however, the liability for the effects of his deliberate actions.

Key-words: perjury, offense, sin

CRISTIAN NIȚĂ, CRISTIAN CIUPERCĂ (pg. 210-211)

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THE 21ST CENTURY LEARNER

Abstract: The present day technologies in communication and information are having a greater than ever impact on learning - how we learn, where we learn, when we learn, what we learn, what learning resources we have, and why we learn. It is an era of fundamental and fast changes that requires a lot of abilities from learners concerning their capacity for learning. This capacity does not imply the idea of learning more, but that of expanding and improving the ways in which learning takes place, as Alberti has explained. There is the growing expectation that students will become more flexible, more independent and autonomous, learners who can 'select personal pathways ... and who will develop the skills of life-long learning' (Dunne, 1999, p.6). This paper tries to answer questions referring to the models of the learner for the world we live in, or to explain some of the approaches and processes by which the new-century learners will learn.

Keywords: Millennia /Net/Y- generation, education, learning, teaching, digital.

NAIE GILLES OPRISAN, DAN NICOLAU (pg. 212-215)

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THE DEFINING OF THE PSYCHO-SOCIAL AND PSYCHOLOGICAL PROFILE OF THE TEACHER SPECIALIZED IN SPORTS TRAINING. A COMPLEX APPROACH TO SEE WHAT'S THE TEACHER PERSONALITY, INDEED

Abstract: It is very well known that the physical training and sports teacher has a complex activity, touching almost all domains concerning the forming and perfecting the human being. The physical training and sports teacher coordinates the general way to reach the idea of the outstanding old saying of the latin antiquity „*Mens sana in corpore sano*”, which defines the forming branch of the human being. And, more than that he tries to train psycho-physically and also from intellectual point of view the human being in order to improve it constantly, until reaching the performance level from physical and psychical and intellectual point of view as well. The present work will try to offer as much thoroughly as possible the (partially) results of some larger researches and conducted observations, made by the authors in order to act as the multi - disciplinarily character of the teacher and presenting the need he has to have very many qualities and a serious training in his position. And having his tasks to form and improve the necessary physical and psychological qualities to the young generations.

Key-words: The multidisciplinary specialist, the versatility (polyvalent feature), technical person, educator, scientist, organizer, passionate, temperament, propensity, endowment, etc.

CIPRIAN RĂCUCIU, FLORIN MEDELEANU, NARCIS-FLORENTIN ANTONIE (pg. 216-221)

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THE SECURITY OF CLOUD STORAGE SYSTEMS: ASPECTS OF INFORMATION SECURITY IN THE CLOUD, DATA INTEGRITY, PROOF OF STORAGE AND PROOF OF OWNERSHIP PROTOCOLS

Abstract: Cloud security and subsequently their five components (confidentiality, integrity, availability, authenticity and non-repudiation) are differently comprehended by security professionals and home users. There were conducted many surveys concerning this perception, most of these among the companies, resulting that companies are warned and concerned of using information storage services available in cloud. These concerns are determined mainly by the lack of trust related to the provided level of information confidentiality. Due to the fact that the users' behavioral patterns can dramatically influence the data security, the first part of this paper analyzes users' feelings and expectations on information security in cloud, on the one hand, and the actual level of information security in cloud, on the other hand. The second part of the paper is dedicated to cloud storage systems, and specifically to cloud storage security. To overcome the problem of detecting potential tempering of the stored information, the client needs a way to check the integrity of his data and he must make sure that his data has been properly stored on the provider's network. These issues can be addressed using integrity checking, proof of storage and proof of ownership protocols.

Keywords: Cloud, information security, cloud storage, integrity checking, proof of ownership.

MARIUS ROGOBETE, CIPRIAN RACUCIU, CRISTIAN APOSTOL, MARIAN PARLOAGA (pg. 222-227)

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AN OOP METHOD TO UPDATE THE DIGITAL WATERMARKING APPLICATION DURING RUNNING TIME

Abstract: As many security applications should be updated without stop the running processes (e.g. monitoring, sniffers/snort or capture), the presentation shows how an application is updated during link time (adding code to the application), using specific technology. The C++ classes polymorphism is highlighted through the OS/compiler tools in a way that allows a base-class object pointer which is pointed to a inherit class to access the new added methods of new class, using the same common abstract interface known to the program at the compile time. The presented work is focused, first of all, on the practical method that allows updating the code classes of any kind of application without stop it. The real, complex digital watermarking application is then used, instead the simple application example.

CORINA SANDIUC (pg. 228-229)

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THE INFLUENCE OF FRENCH LANGUAGE ON THE ROMANIAN MARITIME TERMINOLOGY. ISSUES OF PRINCIPLE

Abstract: The purpose of this paper is to establish the premises for a research on maritime terminology meant to demonstrate that the French language has had a notable influence on the Romanian maritime language, a conclusion to be reached based on linguistic and statistical arguments. The analysis will be carried out, especially from a lexical terminology point of view. We will also observe the maritime terminology from a diachronic point of view, regarding it in terms of its evolution through time.

Keywords: scientific language, maritime language, lexical terminology, lexical loan

MEDA UDROIU, MARIA CRISTINA CHIRU (pg. 230-234)

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LONG LIFE LEARNING – THE EUROPEAN PERSPECTIVES AND TECHNOLOGIES

Abstract: We evolve more each day towards a universe in which the social world is described-prescribed by television, and Communication and Information Technology add new dimensions to the cultural world. The Internet is growing day-by-day into the arbiter of access to cultural existence. These complex communication systems deploy huge capitals, sophisticated technical equipment, and massive human resources and reach billions of people - conferring them a vital position in the social, political and economic mechanisms of any society. The penetration and assertion speed of a piece of innovation, leading to social change and modernization, depends on the communication channels of a society. New open, social and participatory media clearly have significant potential to transform learning and teaching. They offer learners and teachers a plethora of ways to communicate and collaborate; to connect with a distributed network of peers, and to find and manipulate information. In addition there are now a significant range of free educational resources and tools.

Key-words: learner-centered curriculum, distributed/ shared resources, virtual facilities, and asynchronous teaching/ learning

ALINA NICOLETA VLAD (pg. 235-238)

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A SHAVIAN AFFAIR IN UNDERSTANDING FEMININITY IN A MAN’S WORLD

Abstract: Topics regarding “the war of sexes”, “gender stereotypes”, “men and women”, “patriarchal or matriarchal”, “equal rights” are generating, still, a lot of powerful feelings on both sides of men and women “parties”. Thus, this paper has as central point of analysis the concepts of “femininity” and “feminism” as they are found in literature and films, to be more specific in the play: Pygmalion by George Bernard Shaw and the Hollywood productions of My Fair Lady, underlining the needs of the audience for a “happy - ending”. A happy – end that was not envisioned nor wanted by Bernard Shaw as he clearly explained in the sequel for Pygmalion, the version from 1941.

Keywords: Feminism, Femininity, Myth, Pygmalion, gender stereotypes, equal rights, happy – end.

DANA CARMEN ZECHIA (pg. 239-240)

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NON-VERBAL COMMUNICATION AND CONFIDENCE

Abstract: When we speak about non-verbal communication we generally refer to body language. It is not important if we are facing a group of students, the people we are working with or a board of officials, the message we need to transmit might not be so important compared to how we say it. Non-verbal communication is a basic part of what we present. Our confidence leads to credible, important and interesting information. Most of the times people overlook this field dealing with improving confidence and self-perception in communication. We generally tend to build confidence but we rarely think how powerful the role of non-verbal communication to strengthen confidence is.

Key-words: communication, body language, confidence, behavior