

BOOK OF ABSTRACTS

FACULTY OF EDUCATION
AND HUMANITIES
PRESENTS

INTERNATIONAL STUDENT SYMPOSIUM

DATE OF EVENT: APRIL 11, 2019 | SARAJEVO | INTERNATIONAL BURCH UNIVERSITY

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The Necessity of Subplots in the Harry Potter Adaptations

Ivana Andrijević
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University of Mostar

Abstract

In the process of adapting J.K. Rowling's Harry Potter series to film, several subplots were omitted or greatly altered in each adaptation. This paper argues that these subplots in the Harry Potter series are an important part of a story because they either move the plot forward, give depth to characters by providing complexity to their reasoning, or they set the mood and explain the world the reader is encountering. As these subplots fulfil the above functions, their omission or alteration affects the interpretation of the story.

The paper will select several subplots to explain their function and significance in the story as a whole. These subplots concern The Malfoys (introduces the way society works and provides the reader with character growth), The Society for the Promotion for Elvish Welfare (world-building, character growth and its importance for the plot later on), Quidditch (world-building, moves the plot forward and provides character development), and Neville Longbottom (moves the plot and provides character growth).

Keywords: Harry Potter, Subplots, World-building, Character development, Plot advancement

An Analysis of Gender Differences in the use of Swear Words on Facebook

**Nejla Babić
Melika Muhanović**

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Abstract

The question of gender differences in language use has been repeatedly explored and claims about these distinctions that were once considered invariable have been questioned and refuted. One of the less explored areas within this issue, however, is the phenomenon of swearing. This paper aimed to explore how and why men and women swear on one of the most popular social media sites, Facebook, and how the context in which such utterances are produced modulates their frequency and form. The study found that both men and women are more likely to swear when commenting on the content produced by the same gender and also when surrounded by other males and females, respectively. Furthermore, the research confirmed some previous studies in which men were found to swear more out of aggressiveness, while women do so to exaggerate their words.

Keywords: gender, differences, taboo language, swear words, social media

Relation between arts and fashion design: Case study Bosnia and Herzegovina

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Abstract

The main role of art is to transfer an artist's message through an artwork to the audience. If art is one type of media for transferring messages, what happens when art and fashion connect? In a wider context, there are some examples of the relationship between art and fashion, among fashion designers such as Yves Saint Laurent, John Galliano, Alexander McQueen, Elsa Schiaparelli and Dolce & Gabbana referring to artists Vincent Van Gogh or Gustav Klimt and others. In the local context, it is also possible to distinguish designers and whose approach is based on the research of art, namely: Azra Akshamija, Ena Dujmović, Tea Zubović and others. Some of them in their design use the works of already famous artists such as Gustav Klimt or Vincent van Gogh, while others make cooperation with new young artists. This work intends to point out the cooperation of fashion design and art with a focus on the Bosnian-Herzegovinian context and to detect the main characteristics of this symbiosis.

Keywords: fashion, art, Bosnia and Herzegovina

Quantitative Estimation of Cooling Load Capabilities of Residential Buildings Using Machine Learning

Nedret Becirovic

Ismail Bejtovic

Jasmin Kevric

International Burch University

Abstract

Based on previous research on energy efficiency of the buildings, particularly their cooling load capabilities, we will develop a collection of machine learning methods for detecting buildings with best cooling load capabilities. This collection will study influence of 8 input variables (relative compactness, surface area, wall area, roof area, overall height, orientation, glazing area, glazing area distribution) on one output parameter, that is the cooling load of buildings. We will also try to make a suitable neural network structure for this problem.

Keywords: learning methods, cooling, buildings

Enhanced Lead Phytoremediation System

Amor Bečić

International Burch University

Tarik Imamović

University of Sarajevo

Abstract

In 2014 massive floods occurred in Bosnia and Herzegovina. Since there are a lot of mines in central Bosnia, the floodwater carried along lead and other metals from the mines and spread it across the soil. People also contribute to lead contamination through industry, which can cause major problems since lead will stay in the soil as long as somebody or something does not extract it. This can consequently cause severe health problems since we grow fruits and vegetables in that same soil. One of the ways in which this can be stopped is by the use of a natural process called phytoextraction. There is a plant called White Mustard (lat. *Sinapis Alba*) that has natural lead extracting properties and is not as susceptible to diseases as other plants and crops. It is tough, durable and the seeds can last for up to 4 years. Scientists are already familiar with its lead extracting capabilities but there have been no records of people using it for lead extraction in practice. This is due to major problems throughout the entire process. Those challenges are low biomasses of the plants, slow absorption rates and recycling of the lead absorbed by the plant at the end of the process. We have found solutions to these problems and made systems to overcome the mentioned flaws. These solutions are chelating agent EDTA, which will help with accelerating and enhancing the absorption, plant growth hormone gibberellic acid, which will help with an increase in biomass and therefore enable the plants to take up more lead, and special recycling methods, which will help us extract the lead from the plants after the whole system is finished. Some studies have shown an increase of 17.3 % in the plants mass after applying gibberellic acid foliar spray. In addition, researches conducted at the University of Ljubljana showed that absorption of lead by White Mustard is 48 times larger after applying EDTA chelating agent to the soil polluted with lead. Extracting lead from soil with this entire system is a natural, cheap and efficient process.

Keywords: environment, lead, lead pollution, phytoremediation

Load flow analysis and capacity limitations of a planned wind power plant “Rostovo” using PSS/E software tool

Ismail Bejtović

Adnan Bosović

Mustafa Musić

International Burch University

Abstract

This paper analyses the issues regarding steady state power system characteristics of a Wind Power Plant (WPP) “Rostovo”. A model of the plant with different load flow scenarios is presented. Load flow studies of the transmission grid are based on the network model provided by SECI transmission system (Southeast European Cooperation Initiative). A previous method for finding the maximum wind power plant size is followed. This study will show that the maximum wind power plant capacity is highly dependent on the type of the wind turbine. This work performs load flow analysis of WPP “Rostovo“ connection on the transmission network model of B&H, and analyses the impacts on voltage profiles, network element loading and power losses. This investigation should help investors and engineers choose optimum design and connection of the wind power plant.

Keywords: Power flow simulation, PSS/E, voltage, thermal factors, wind power generation.

A designed art gallery

Khadija Benyougui
International Burch University

Abstract

The task at hand was a gallery, located in Stari Grad, Sarajevo, BiH. Sarajevo, being a historical city, is famous for its cultural and architectural richness. Positioned in an awkward place, the site was of a rectangular shape, with a slight slope to the South. On either lateral side, historically valuable structures surrounded the lot. To the west, a courtyard typology was detected. The challenge to incorporate a design that would be appropriate and contextually sensitive presented itself. From this point, the team got inspiration for the concept of gallery. The diversity of culture that Sarajevo has known has helped the city to be diverse in architectural terms. By reflecting Sarajevo cities multi cultured people as well as the urban footprint to the site, we created a 2D pattern that embodied the clustered essence of the city - which transformed to a 3D volume. The gallery has unique journey which starts from the main entrance that guides the user to the first exhibition area and by applying circulation principles to the interior and exterior, the user would be guided through in a continuous and harmonious way. This idea is expressed throughout the rest of the building, by motioning the user to experience every part of the structure with additions such as interior lighting that follows the concept and as well as stairway which graduate, following the form of the slope. The gallery has as interesting courtyard, meant to be the meeting point by inviting people from all the directions of the site. The gallery gave the site a new experience and turned the site from an unused part to a meeting point of cultures. The gallery was designed to encourage residents and tourists in this city, to bring them closer to other, to art and to the city. Neglected and crudely disposed, was once this area of this phallogocentric, ethnic and diverse area. Now, with an art gallery on the main vein, the space was reinvigorated and brought back to life.

Keywords: gallery, BiH, Sarajevo

Književni poetski izrazi Bošnjaka kao svjedoci njihovog identiteta i osnova bosnistike

Damir Bešlija
International Burch University

Sažetak

Stvarno postojanje bošnjačke književne komponente u okvirima književnosti pisanih bosanskim jezikom svjedokom je višestolječne prisutnosti Bošnjaka i njihovog znanstveno-umjetničkog djelovanja kako na području Balkana, tako i diljem svijeta. Različiti žanrovi bošnjačke poezije o kojima ima riječi u ovom radu očuvali su, a i dalje čuvaju, izvorni bosanski jezik čije se postojanje pokušava(va)lo sistematski i sistemski osporiti u proteklom razdoblju, a slične težnje nazočne su i u današnjem društvu. Pored toga što bošnjačka književnost svjedoči bošnjačku povijest, ona je u velikoj mjeri bila osnov za nastanak nauke o bosanskom jeziku kao jeziku koji je u stalnoj uporabi na području Bosne i Hercegovine, ali i dijelova Sandžaka, Makedonije i Turske. Dalji razvitak bosnistike jedan je od osnovnih ciljeva bošnjačke književnosti čije bogatstvo žanrova može parirati mnogo ranije općeprihvaćenim književnostima, i koja je, kao takva, od iznimne kulturne i nacionalne važnosti za Bosnu i Hercegovinu, sve njene narode, a osobito Bošnjake.

Ključne riječi: bošnjački poetski književni izrazi, epika, lirika, istočni parnas.

Teaching English to students of diverse cultures in schools: challenges, differences, outcomes and methods

Amila Dautbašić
Jasna Saračević
International Burch University

Abstract

In schools where the English language is taught it might be challenging to treat and teach all students equally, as they are of diverse cultures. Potential problems may occur because students have different understandings, background knowledge, learning abilities and cognitive skills, as well as challenges related to comprehension, pronunciation, vocabulary and language acquisition in general. The current paper investigates teaching English to students of diverse cultures in schools. The study examines all of the above-mentioned issues gathering data through questionnaires and surveys. The results showed a significant diversity in terms of learning English: vocabulary-related difficulties, a frequent occurrence of code switching, cognitive challenges and they all produced different outcomes individually. The results showed a significant relationship between learners' motivation and attitudes towards learning. The findings indicated that culturally diverse students in primary school are more active and verbal in English classes, while those in secondary school face more difficulties with pronunciation, speaking in large groups and motivation, whereas the majority of University students are introverted students with less cognitive skills. With proper methods applied by teachers, students' achievements can be upgraded, which would eventually influence their overall academic achievement.

Keywords: diversity, culture, classroom, school, education

Presence of Machiavellianism in Disney movies Alice in Wonderland, The Lion King, Frozen

Lejla Dautbašić

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International Burch University

Abstract

Children watch cartoons from their birth and the most popular ones are Disney animated movies as they inspire children to dream big and to see that no goal is unachievable if they work hard for it. Aside from that contribution, Disney movies also provide different point of view dependent on who the auditory is, children or adults. Adults understand and recognize a deeper and more complex message they convey. And these hidden messages leave a great impact on childrens' minds from their early age. One of the most present concepts in these animated movies is Machiavellianism. Machiavellianism, as defined, is a personality characteristic in a human whose main goal is going to be accomplished no matter what, including manipulation, tricking, betraying, cheating, and even killing. In this essay, Machiavellianism is going to be assessed through three Disney movies: Alice in Wonderland, The Lion King and Frozen. In character from the movie Alice in Wonderland, The Red Queen, there is an obvious influence from Machiavelli in her actions, and she even quotes him. Scar, on the other hand, the lion from the movie Lion King is a typical Machiavellian character, who acts exactly like Machiavelli would. And the third character, Prince Hans from the movie Frozen, is an evil character who contains Machiavellian point of view on life and actions.

Key words: Machiavellianism, Disney, movies, personality, influence.

BOSEPO: Empowering Project Based Learning in Bosnia and Herzegovina

Merve Kevser Gokgol
International Burch University

Abstract

Students involved in the BOSEPO project based on learning science presented their knowledge gained in science, mathematics, computer science and modern technology as well as their scientific skills. Bosnia Energy/Environment/Engineering Project Olympiad (BOSEPO), as an innovative science competition for high school students, is the only science project competition organized in Sarajevo, Bosnia and Herzegovina (BiH) in order to implement students' ideas and contributions in finding the best solutions for better living. 820 high school students participated in the three BOSEPO fairs and competitions, and were led by 95 science teachers. They created more than 400 projects in four different fields: science, engineering, technology, and computer science knowledge and skills integration. The outcomes of BOSEPO are believed to be the participants' better understanding of science, a better preparation for their study at the undergraduate (university) level, the participation in project competitions at the international level and collaborative work among students using project based learning pedagogy.

Keywords: high school, project based learning, science education

The main and interaction effect of gender and achievement on foreign language anxiety in Austrian upper secondary education

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Abstract

The present study aims to investigate how gender and achievement, measured in terms of the students' final English average grades (2017/18), affect foreign language anxiety (FLA) scores among Austrian students in upper secondary education. The research sample comprised 379 students in their final year in secondary business colleges. The analysis revealed that the great majority of students display moderate levels of overall foreign language anxiety (OFLA), defined as a compound variable of general foreign language anxiety (FLCA), foreign language reading anxiety (FLRA), foreign language writing anxiety (SLWA) and foreign language listening anxiety (FLLA). A two-way ANOVA showed a significant main effect of both gender and achievement on the participants' OFLA scores, but no significant interaction effect. Moreover, a two-way MANOVA proved that both gender and achievement had a significant main effect on the combined variables, namely FLCA, FLRA, SLWAT, FLLA, with large effect sizes. Similarly, the interaction effect of gender X achievement on the combined variables was significant, albeit with a much smaller effect size. Gender and achievement thus emerged as influencing factors in the creation of FLA in Austrian upper secondary education, in particular with regard to the productive language skills.

Keywords: foreign language anxiety, foreign language acquisition, language achievement, gender.

Ilidža Retrospective

Nudžejma Hatunić
International Burch University

Abstract

My poster will be about the architectural history of Ilidža, Canton of Sarajevo, Bosnia and Herzegovina. It will include a set of photographs of different buildings that represent the historical period they were built in. Following history of those places one can view architectural remains from various historical periods such as antiquity, Ottoman era, Austro-Hungarian era etc. It is a quite colorful topic to dive into and it is a significant topic, too, because it represents an important segment of human life (history) in a clear and comprehensible way, i.e. the visual communication is expressed through pictures and photography. Doing research on this topic contributes to better understanding of the impact of a photography. It can represent so many ideas, facts, show things previously unseen, be a voice of history, present and even future and can shape beliefs and the way people look on the world in general. Thus, it should be clear how to use photography as a voice of reason and a way to reach out to the rest of the world. The idiom that says " a picture is worth a thousand words" is true indeed.

Keywords: photography, Ilidža, history, architecture

Street photography with humans of Balkan

Amina Hodžić

International Burch University

Abstract

The reason I have applied is that I want to present some of my photos that I made through assignments from subject Photography in the previous semester in academic 2018/19 year. I want to show photos of street photography which include Elements and Principles of Design in Photography. It is interesting how basic shapes and things can create the composition. Also, something that is the most substantial -how random passersby and everyday scene behind composition create a photo with a meaningful story. Each photo has its own story that is unique. Photographs that I will present are made with a professional camera and taken by a phone. Training my eye, observing the scene and finding the beauty in everything before the photo is taken have become my everyday routine.

Keywords: elements of design, principles of design, street, humans and story.

Creative Aspects and the Question of Rebellious Mind in the Novel *Na Rubu Pameti* by Miroslav Krleža

Maida Husnić
Džemal Bijedić University

Abstract

This paper deals with the creative aspects of the novel *Na Rubu Pameti* (1938) written by Miroslav Krleža, in which the main theme is the theme of being rebellious and being out the mass. This novel is part of the new period of Krleža's creating where the desire for the experiment is present. There is also the respect of the former rejected expressionist work. In this novel, Krleža also opposes and tries to reassess different worldviews and ideologies and reject his opponents' ideas. In this paper, we will look at the reception of the novel, because the novel was sharply criticized and judged after it was first published. That happened because the novel includes politics as one of the main topics pervading the whole novel, and the author criticizes power, elite and intelligence. This novel will be analyzed in the context of Krleža's earlier works, its parts and narrative. Krleža's rebellious character and his conflict with the society, where the hero sees the only purpose of life, will be included. The author shows us the relationship between the society and those who come out and later are being forced to fight windmills.

Keywords: creative aspects, rebellion, rebellious mind, human stupidity, conflict, detachment.

Discourse Analysis of Mcdonald's and Burger King Advertisements/Billboards

Mirela Imamović
International Burch University

Abstract

The purpose of this paper is to examine the famous fast food chains McDonald's and Burger King's billboards and advertisements by applying the three approaches of Discourse Analysis: a formal, a functional and a social approach. Another way of looking closer at these advertisements and their successful strategies is through the analysis of the Discourse of Advertising, focusing mainly on phonetical properties, word selection and sentence structure and targeted audience. The data analysed are the advertisements and billboards of McDonald's and Burger King found on the Internet. The results showed that both of these fast food companies use manipulative language as a powerful tool to influence their customers.

Keywords: Discourse Analysis, Discourse of Advertising, Advertisement, Billboard, McDonald's, Burger King

Comparative Analysis of Technological and Socioeconomic Parameters of 5 kW Installation of Solar PV and Wind Energy Systems

Lejla Imširović

Esma Tvrtković

Elma Midžić

International Burch University

Abstract

With conventional energy sources slowly running out, energy consumption and efficiency have become two major issues in today's society and the need for sustainable energy solutions has never been greater. Renewable energy technologies are the key factor in the creation of a sustainable society and so far, there have been many efforts that contribute to their development.

Renewable energy sources have in that sense already taken an important role in the energy sector which can be seen from the renewable energy capacity increase. Looking at the year 2017, the development of renewable energies has mostly been driven by the increase of solar and wind capacities with a capacity increase of 94GW (+32%) and 47 (+10%), respectively.

The aim of this paper is to conduct a comparative analysis of a 5kW installation of solar PV and wind energy systems in order to get an overview of the advantages, but also some potential problems that the installation of such technologies may cause. The analysis will focus on the production of electrical energy and its influence on the grid as well as the social, economic and environmental parameters that need to be considered.

Keywords: comparative analysis, wind energy system, photovoltaic system, feed-in tariff, socioeconomic impact.

Važnost Priključivanja Bosne i Hercegovine Sjevernoatlantskom Savezu (NATO)

Fatima Kovačević
University of Sarajevo
Emina Kovačević
International Burch University

Abstract

NATO (engl. The North Atlantic Treaty Organization) odnosno Sjevernoatlantski savez je savez čiji je jedan od ključnih ciljeva da obezbijedi zaštitu i sigurnost za njene zemlje članice iz Evrope i Sjeverne Amerike, prema principima Povelje Ujedinjenih naroda. Početak NATO-a je usko povezan sa potpisivanjem Sjevernoatlantskog sporazuma između 12 zemalja i nekadašnjeg zapadnog bloka. NATO trenutno broji 29 zemalja članica, a Bosna i Hercegovina ima status kandidata za članstvo. NATO ima za cilj da promoviše demokratske vrijednosti i omogući zemljama članicama da se konsultuju i diskutuju o različitim pitanjima vezanim za odbranu i sigurnosti, izgradnju povjerenja i kompromisa, te sprečavanju mogućih konflikata. Nadalje, bitno je istaći da je cilj Sjevernoatlantskog saveza mirno rješavanje sukoba, međutim, ukoliko to nije moguće, NATO ima mogućnost da, uz korištenje vojne moći, riješi nastale sukobe. Pored ovoga, važnost NATO-a se ogleda i u ekonomskim, društvenim i sigurnosnim aspektima za jednu zemlju. Stoga, pored mnogobrojnih važnih pitanja za BiH, ulazak u NATO je tema koja je u fokusu, a posebno u posljednjih nekoliko godina, te se sve više zagovara ta integracija koja bi bila od velikog značaja, pogotovo za jednu malu i ne tako razvijenu državu. Važnost NATO-a prepoznata je još tokom rata u BiH kada su izvršene prve mirovne operacije i postignute reforme za odbranu, stoga ovaj rad ima za cilj da promoviše osnovna načela i funkcije NATO-a kao i beneficije članstva BiH u NATO-u.

Ključne riječi: NATO, integracija, vanjska politika Bosne i Hercegovine, beneficije članstva u NATO-u.

Sign language

Fatima Kovačević
International Burch University

Abstract

Human language is one of the most diverting and most valuable research topics since it is something that sets us apart from other living beings. It is really difficult to find out how much research on this topic has already been done and how much will be done in the future. Through human communication research, we learn different aspects including rules, limitations, opportunities, and the way our brain perceives various language features. They often encounter very interesting areas, which are not only envied by linguists but also scientists from other fields. One such, very rich and wide area is also the area of sign language (SL) and the world of silence- the world of deaf people. The fact is that it was neglected at first, but throughout history, it gradually reached the degree to which it should be. However, it must be emphasized that sign language is still stigmatized and under-studied in Bosnia and Herzegovina, and because of insufficient information and misunderstanding of that language, deaf persons are usually in a very bad position and are literally stuck in everyday life and communication. These people usually do not get the support, primarily of government, and unfortunately, are often considered as less valuable. These facts were the main reasons and guidelines of this study, which, through interviews with deaf people, and International Burch University students' survey showed primarily the linguistic characteristics of the sign language, as well as the students' knowledge and perceptions of the sign language. The results showed that students are familiar with features of SL, since they have very little or not at all prior knowledge. Finally, this study has also pointed out the need to spread awareness of the importance of knowing the sign language, in order to avoid stigma and misconceptions.

Keywords: sign, language, communication, SL

Quantum Biology

Dženan Kovačić
International Burch University

Abstract

Utilizing the Quantum Theory as a means of explaining biological phenomena is not a novel concept, and is mostly rooted in the famous Schrödinger's *What is Life*, a short book written based on his 1944 lectures about biology and quantum mechanics. Since then, many advances have been made in proving his claims about the connection of quantum mechanics with biological systems as true. Merging quantum-mechanical concepts with medicine for uncovering principles of causality in pathological processes often deemed as the results of randomness could serve as a powerful tool in both prediction and prophylaxis of neoplastic malignancies. Current attempts at utilizing quantum mechanics in diagnostic imaging, through the usage of quantum dots have proven to be more powerful than fluorescent imaging in several notable aspects. The evolution of quantum computers will inevitably lead to advances in deep learning systems, with great potential for medical diagnostics as means of eliminating or, in the very least, reducing the number of errors made in interpreting diagnostic data, especially in oncology. The various powerful tools stemming from Quantum Theory, in a practically-oriented sense, have a long way before becoming commercially available for such an intensive use, as there are numerous technical and theoretical barriers impeding this potential. Here, we discuss the current progress made in the realm of quantum computing and quantum biology, and attempt to broaden the theoretically-mathematical scope of the domain of hypothetical possibilities that may arise from advances in quantum physics. We discuss potential mathematical models of probability in regards to quantum cancer biology, as an attempt to more efficiently predict the probability of such cellular mutations occurring; as a significant aspect of this paper's overall scope.

Keywords: Quantum Mechanics, Quantum Theory, Quantum Biology, Cancer Biology, Probability, Oncology

Quantum Mechanics

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Abstract

This paper attempts to comprehensively discuss the formally logical and mathematical basis of the Everett Interpretation of Quantum Mechanics, which, essentially, states that we live in a universe with an infinite number of realities. This implies an existence in which a sentient being's subjective definition of reality is put into question due to the proposed infinite number of timelines in which every reality takes place at the same, across an infinite number of universes. Although such an interpretation is compliant with duality of matter, it does not, however, answer the fundamental question of why one reality is chosen as opposed to the other. We use the Schrödinger representation of the Multiverse theory and provide arguments in favor of such an interpretation, within the framework of our current knowledge of modern physics without regard for metaphysics. The issue with the Copenhagen interpretation is such that it implies that entangled particles arbitrarily distant from one another, communicate faster than the speed of light, which is forbidden by Einstein's relativity. We address this issue in this paper, and demonstrate how a Multiverse can exist in such a way that it allows entanglement without contradicting relativity. Lastly, an elucidation is provided why the public should be aware of such an ominous existence, and why they should care. What an infinite number of worlds would entail for physics itself shall also be explored.

Keywords: physics, quantum theory, quantum mechanics, multiverse, multiverse theory, quantum physics

Scoping Literature Review on Croatian Foreign Policy

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Abstract

A scoping literature review using Arksey's and O'Malley's York methodology was conducted on Croatian foreign policy. A total of 82 (in English or Bosnian/Croatian/Serbian) studies were identified as relevant; after applying three pre hoc and three post hoc exclusion criteria, the number of relevant studies decreased to 27. These 27 studies' abstracts were analyzed "to examine the extent, range, and nature of research activity; to determine the value of undertaking a full systemic review; to summarize and disseminate research findings; and to identify research gaps" (Arksey & O'Malley, 2005). There is no noticeable concentration of research activity among authors; a plurality of authors' affiliation is with the Faculty of Political Science at the University of Zagreb; the Croatian International Reviews Review and *Politička misao* published more studies than others; more articles were published in 2010, 2013, 2015, and 2018 than in the other years combined; and more than three times the number of articles was published in English than in Croatian. The studies in question deal predominantly with Croatia and the European Union, the development of Croatian foreign policy since independence, and potential future areas for development in the form of niches, pursuant to the Croatia's status as a small state and potentially a small power.

Of the several research gaps identified, one methodological and two substantive research gaps were prioritized, namely utilizing a constructivist approach to Croatian foreign policy analysis and a focus on the interaction between the heads of state and government in foreign policy-making and Croatia's foreign policy towards its immediate eastern neighbors (i.e. those belonging to the same linguistic family), respectively. Assessing the quality of the selected, as well as other potentially relevant studies, through a full systemic literature review would be a very beneficial step toward fulfilling the aforementioned research gaps.

Keywords: foreign, policies, EU, Croatia

Millennial Burnout – a serious issue or just an excuse?

Anesa Opijač

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Abstract

The idea that young people today are experiencing a total mental collapse due to overwork and stress has been very popular for a few years. The present study explains what so-called millennial burnout is, and what its stressors and consequences are. The main purpose of this work is to raise awareness and provide a better insight into this relatively new, but pressing issue. We examined why people tend to glorify (over)work and what happens when they get overwhelmed by the ever-changing technological, social, and economic conditions. The rise of smartphones and social media made young people become more depressed, self-conscious, and anxious since competition and comparison are being constantly reinforced online. Gadgets are designed to feel as necessary as air or water, and millennials feel that there is no “off the clock” anymore. Such problems cut across race, gender, and class lines. On the other hand, many people do not support this theory calling it yet another typical ‘millennial snowflake’ issue. They think it is a perfect cover story for entitled laziness, and just a fancy term and an excuse for not getting the work done. Since it is not a medically recognised diagnosis yet, there are no specific stats for it. It is a fact that the world is changing and every generation is facing difficulties, but nowadays things are tough in different ways. Some of the concepts introduced in this study are the second shift, mental load, errand paralysis, and fear of missing out. The goal of this paper is not to justify, but rather elaborate on why millennials are burned out.

Keywords: millennials, burnout, exhaustion, overwork, stress

Photography

Jasmina Pinjic

International Burch University

Abstract

This poster will be a gift to Sarajevo. Even though Sarajevo is not my hometown, it is a city I have always dreamed of. Therefore, I wish to give it something in return. Combining photography and (photo) manipulation I am going to present my idea in a form you will have a chance to see during the Symposium. In my work I stick to basic principles in photography and composition of work. Sarajevo in the palm of a hand will be something never seen before. In this project I went the with modernist view of the world. It is important to emphasize that photos as well as all other elements of this poster are my own work. Its message is simple: love Sarajevo and Sarajevo will love you.

Keywords: photography, design, Satajevo, composition

Student Mobility

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Abstract

This study investigates criteria that influence the development of students' mobility at the university college of teacher education in Lower Austria over the last 12 years. Generally, there is an increase in the number of incoming students while there is a decrease in the number of outgoing students. To identify reasons for this development, a total of 223 learning agreements have been analysed. In order to help interpret results, interviews with students engaging in an Erasmus programme aiming at spending a semester studying abroad have been held. The analyses of the outcomes show that the aspects of intercultural experience, the amount of credits recognised by the sending institution on students' return, the language of instruction at the university of destination and the probability of time loss are the main criteria that influence a teacher trainee's decision whether to spend a semester abroad.

Keywords: Erasmus, intercultural experience, study abroad, teacher education

Legenda o Ali-paši

Anera Pustahija

Abdurrahman Zukić

Gimnazija Dobrinja

Abstract

Legenda o Ali-paši is a book written by Bosnian author Enver Čolaković. It captures not only the amazing life of Alija Lepir, but also the treasured values that Bosnian culture lies on. The story of Alija on his path to become a pasha constantly reminds us to believe in ourselves and never lose hope. The goal of this story is to take a reader to a period when life was very different from life nowadays. The main motive that helps Alija get through daily challenges is love towards a wonderful girl from a higher rank. The only way he could get the love of his life is by becoming the same or higher rank than her. We should not forget his unconditional love for the Sun, seen in his often conversations with it. The second book in focus is Neodoljivi mit: Sin dvosjeklog mača, a book written by our young writer Abdurrahman Zukić. His book tells us about a week in the life of historian Zulfikar. One of the motives in it is the support of other people, which influences our life. We need self-confidence to achieve our goals or even be a hero. Maybe not the hero of our own story, but the hero of someone else's. Zulfikar is quite connected to his family and land deriving most of his identity from it. Mysterious letters and dreams the main character gets take us into the world of fantasy, time travelling and historic events. Both of these books tell us about the importance of self-confidence, the drive love gives us and finally the historical setting.

Keywords: book, author, confidence, love, history

How ethical culture become unethical? Tax evasion case-Sarajevo

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Abstract

Tax evasion has long been a problem for Bosnia and Herzegovina. Tax cheats cost both federal and state governments of millions of BAM per year. All funds collected from taxes are credited to the budget of Bosnia and Herzegovina, and the state can freely use those funds for different purposes. Avoiding the payment of public revenues greatly affects the weakening of the economic base of society, which results in social differences that cause citizens' dissatisfaction and it leads to certain social tensions and disturb interpersonal relations. When we talk about tax evasion in catering facilities in Sarajevo, we focused on the busiest catering facilities like Metropolis, Montana, Vatra, Kibe Mahala. Tax evasion might be evident here in the fact that workers do not issue an account to buyers during the purchase at the restaurants. Since this case has recently been well known to the public, we surveyed the buyers of the mentioned restaurants to see if they regularly received their bills. We also did research to find out how they made fake transactions. There are many factors that have influenced the launch of this case. The economic situation and the budget of Bosnia and Herzegovina have not been stable especially recently. Metropolis, Montana, Fire and other catering facilities were targeted due to a series of surveys conducted over the past few months. Annual and monthly income, misleading of business books, misrepresentation of costs and reduced tax liabilities are just some of the elements that were found during the investigation of this case. Regular tax controls and increased penalties would surely improve the current situation. Regular tax payments will result in a better economic situation in our country and the satisfaction of its inhabitants.

Keywords: From ethical to unethical; Tax evasion

Something beautiful remains

Azra Selimović
International Burch University

Abstract

When it comes to being part of this Symposium, I have decided to do something different. I wanted to make ordinary things be seen in a different way, from a different angle and with that, to include the knowledge I have gained in the past semester when it comes to Photography classes.

This series of photos is comprised of photos of curtains. Many photos represent different elements in photography, such as shapes, leading lines, texture, and also basic principles like emphasis, rhythm and balance. Also, another great thing is being able to include Gestalt principles of photography, like continuity, when eye is compelled to move beyond an object and continue through, proximity, elements that are placed close to each other will often be perceived as one group and similarity, elements that have similarities will often be viewed together as a group or a pattern. Other thing I was interested in are stop and motion photos, with different set ups of camera enabling you to represent motion in different ways, like more blurred or clear motion.

I have chosen this theme because I like the way curtains move and look when observed from different angles and I wanted to try to influence other people to observe everyday ordinary things, like in this case curtains, in a different, more special, way.

Keywords: curtains, B&W, photography, motion, similarity

How to make lectures more effective?

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Abtract

This paper is about how to make lectures more effective, i.e. how to make the lectures such that learners can receive the main points and understand the content well. There are different ways to make lectures more effective, to convey information to students, catch their attention, and have a good organization. One of the most important things is to have a good organization, which means to have introduction, body and conclusion. In addition to that, it the aim of the lesson should be clearly defined. The study shows that in the first 15 minutes of lecture, students' attention is on a high level, after that it is lower and lower, so that time should be used to introduce a new topic with a little bit of theory, and later on the students should be included as much as possible. Once the method which works well is detected, lectures will be much more effective.

Keywords: lectures, organization, attention, students.

Meta-cognitive Strategies

Jasmina Sinanović
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Abstract

The aim of this study was to check whether there is any correlation between analytic and pragmatic usage of MRS in education when it comes to learning a second language. Metacognitive reading strategies (MRS) involve analyzing the learning process, outlining learning, and controlling comprehension while reading. The strategies measured were of two main types: analytic and pragmatic. A widely accepted survey instrument, the Metacognitive Reading Strategies Questionnaire (MRSQ), was applied to participants attending Preparatory School at the International Burch University in Sarajevo, Bosnia and Herzegovina. The students were beginning level English language learners. The participant students were both female and male, Turkish, and other nationalities, and from a range of different age group. Good indicators of internal consistency in the data were shown in responses from the participants. An independent sample t-test analysis was used to test for MRS usage differences between the various groups surveyed. The results indicate that there are statistically significant differences between analytic and pragmatic MRS usage. Possible causes of these statistically significant differences are explored and recommendations are given for the immediate use of the study results.

Keywords: reading comprehension, metacognitive reading strategy, L2, analytic reading strategies, pragmatic reading strategies, correlation

Art Gallery Design in a Sensitive Context: Sarajevo

Mirela Smailović
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Abstract

The city of Sarajevo is famous for its rich tradition and cultural diversity. The city is a prominent center of culture both in the Balkans and worldwide, offering a multiple selection of its diverse cultural and traditional heritage. In its city center, between the Eternal Flame memorial and the Markale market, the task was to suggest a solution for a modern art gallery and integrate it with its surroundings. The challenge for this project was particularly in the integration of the building with its sensitive and historical context, due to previous happenings in this area. The design of the art gallery was oriented towards creating a cultural hub where citizens meet and enjoy the cultural diversity of their city. Here, some of the finest and extraordinary art pieces are to be exhibited. The inspiration towards resolving the building form is a result of research upon the urban layering of Mejtaš, a neighborhood just above the site and interior courtyards of the Austro-Hungarian residential buildings around the site. A specific pattern was extracted and applied: three rectilinear volumes were placed; each of them having a specific function. In addition to this, two squares were created; a public and semi-public. The visitors can enjoy art both in the interior and exterior, due to the extension of art pieces and exhibitions to these two squares. They can also enjoy coffee with a view towards the finest exterior exhibits this gallery has to offer – the boundary is diminished. In conclusion, a new cultural meeting place for the citizens was created; the building is not obstructive and fits well into the context with an accent to the simplicity of exterior and richness of the interior.

Keywords: Sarajevo, art gallery, sensitive context, gathering space

Elements and principles of design in photography

Marijana Udovčić
International Burch University

Abstract

Every day we experience a number of visual messages, but without a basic understanding of visual language many of these messages remain perplexing. Visual language is the same as any language. It contains basic elements, patterns and processes that describe the relations between individual elements in the system. The elements of design in photography are two-dimensional forms that appear inside the picture frame. Point, line or shape, as some of the basic elements, exist in photographs but they depend on how the image is perceived and understood. All elements are usually in relation with each other, grouped together in more complex visual presentations. Principles of design describe the ways that designers and artists use the elements of design in their work. Some of the basic principles of design are pattern, contrast, emphasis, balance, proportion, harmony and rhythm. Photographic images are images taken from the real world and represent something that existed, and in this context in photography it is more complicated to recognize the graphic elements in the way they act than in the painting or other work of art. The current work is aimed at representing all of these elements and principles in a form of visual impact. The design consists of several photos of older and modern buildings in Sarajevo taken from different and somewhat unusual angles.

Keywords: elements, principles, design, photography, architecture.

Design Criteria for Teaching and Learning Videos

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Abstract

The use of videos in teaching is becoming more prevalent. Teaching professionals not only use existing videos but also create their own videos. There are different types of teaching and learning videos that are used and created for the purpose of knowledge transfer. It is useful to know which design principles these videos should follow in order to judge the quality of existing learning videos and to know which criteria to apply when one creates individual learning videos. Therefore, questions arise as to how these videos should be designed to support theory and practice equally and what didactic requirements they should meet when used in teaching. These questions are answered within a study carried out with the method design based research with qualitative and quantitative research methods. The survey instruments were guided interviews with experts, questionnaires for school students and a focus group. The participants in the study were teachers and students from the Vienna University of Teacher Education. The field of application was nutrition and consumer education for future middle school teachers. The results are presented in the form of design principles.

Keywords: ELearning, learning videos, design-based research, nutrition and consumer education, Mobile Seamless Learning.

Architecture

Edna Ždralović

International Burch University

Abstract

The task was to design Gallery, with a proper exhibition journey, an administration part, curtain landscape and an underground garage. The location was at the corner of two streets Dženetića Čikma and Niže Banje, Sarajevo. It is the center of the city, which makes the location busy, with huge amount of traffic jam, many shops, residential buildings and many path connections, frequently used by pedestrians. In order to define the main shape of the object, following the neighborhood concepts was the first step. The most of them are buildings from the Austro-Hungarian period, which means that almost every one of them have the courtyard. That was the second guide in defining the main object shape. Dividing object in two parts and positioning them opposite one to another the courtyard was made. Height differences were made according to the task needs. So, one part is twice as high as the other, in order to divide the exhibition journey of the gallery and the administration part. On the first floor of the higher part, administration was positioned. Thus, the ground floor of the whole object is reserved for the exhibition journey. In the same time facade of higher part is white and gentle, till the lower part of the object is black and rough. This makes the appropriate contrast impression. The exhibition journey needs were satisfied inter the object, since the requirement was to dispense of interior dark space and also light one for different kinds of exhibitions and shows. The landscape idea was done in a way to fit stairs and slope for pedestrians in one composition, since it is a public object surrounded with building used for different kind of social purposes. Positioning the slope in a middle of the site, dividing stairs in two parts, the visual identity has been made, since the object is divided in two parts, also. One part of the stairs was made regular, and the other one in an irregular rhythm, in order to fit with the same visual identity and contrast impression.

All in all, a tiny path through the middle of the whole object and site, continuing the slope line, which is giving a dominant expression, is made of dominant color yellow (being in contrast with the surrounded ones, black, white and gray), so it is perfectly cutting two opposites roughly and gently. The courtyard, the centralization of the yellow line, was intended for the sculpture part of the gallery, so everything fitted perfectly.

Keywords: contrast, dominant, rhythm, courtyard

An Analysis of an Unknown Organic Compound

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Abstract

The purpose of this paper is to present the identification of a given organic compound of unknown structure and all its chemical properties based on an analysis of organic compounds. Determining the physical constants and solubility, as well as examining the physical properties and acidity/basicity of this organic compound has shown that it belongs to one of the lower members of homologous series (alcohols, aldehydes, ketones, acids, esters, phenols, anhydrides, amines, nitriles and polyhydroxy phenols). A preliminary chemical analysis of functional groups has determined that this organic compound represents the class of alcohols. The synthesis of derivatives has been used to facilitate the analysis which led to the identification of 1-propanol.

Keywords: Organic analysis; Organic compounds; Functional groups; Analytical derivative; 1-propanol

What is a state?

Abdurrahman Zukić
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Abstract

A question often pondered by geography enthusiasts such as myself is how many states are there? One could take a map and simply count. That would not get him far though, as it probably depends on where the map was made. We could look at the United Nations organization which comprises 193-member states. All right, that is one number. However, it is not conclusive, because the UN itself has some observer entities. Among these are The Holy See – an observer state that holds sovereignty over Vatican City, the State of Palestine – a “non-member entity” which represents Palestine and The Sovereign Military Order of Malta – holding an observer status despite not being a state. Nevertheless, as we go forward with this question we only find more and more questions lying ahead. What about those semi-recognized countries like Northern Cyprus, Taiwan, Kosovo, Sahrawi Arab Democratic Republic and many more? We can see that in reality this poses a real issue, not only for the general public but for governments as well. They have to decide on sending a diplomatic mission to some place or not and on doing business with some region or not. It is not just a confusing question for geography experts but also a question that can carry great political implications.

Keywords: state, country, entity, statelet, region