

English Abstracts

Bárka, Levenete: CEE stock market indices' fluctuation: Analysis of the Visegrád Four stock market during the Brexit Referendum

One of the most prominent 21st century European capital market shock is clearly the Brexit referendum. Contrary to expectations, the British referendum on June 23rd, 2016 continues to rage European public opinion. In this context, the main issue of me was the impact of the Brexit referendum on the Visegrád Four stock exchanges. I had the intention to focus on quantitative research methodologies and their theoretical background in addition to the macroeconomic and stock market presentation of the region concerned. The purpose of this essay was to model the potential V4 capital market impact of an unexpected UK public economic shock. With the stock exchange indices (WIG Warsaw, PX Prague, SAX Bratislava, BUX Budapest) of the financial centers of the Visegrad Four (Poland, Czech Republic, Slovakia, Hungary), the London FTSE 100 index and the local currency exchange rates, I tried to make the most accurate capital market modelling. I had the hypothesis that the Brexit referendum had a negative capital market impact on public limited companies in some V4 member states.

Gaál, Gréta: Network building in international environment

In my study, I investigated the situation of foreign workers (expatriates) posted permanently in Hungary. By examining the experiences of expatriates, I explored their networking strategies, their paths, the process of integration, their identities, and the range of their social networks. This study draws on the results of social network research, which has allowed me to interview high-ranking expatriate workers in a unique and novel way. Data was collected by semi-structured interviews, which not only allowed me to compare the specific questions asked, but to elaborate on individual themes. My interviewees were highly trained professionals from different countries, organizational cultures, and industries, thus making my qualitative research results polyphonic and colorful. In my research, I found that the most significant factors contributing to integration were different organizational memberships and Facebook groups, while in most cases, there were no corporate mentoring programs. By comparing the individual social networks depicted during the interviews, I concluded that they primarily collaborate with other expatriates and that they formed friendships outside work with locals or other expatriates, while social relations with persons from their home country were rarely found.

Guba, Dávid: A brief presentation and critical examination of the concept, history, and approaches of organizational culture

Organizational culture as a concept is of paramount importance to professionals in the organization and management sciences, however, its definition is not uniform due to difficulties in conceptualizing culture. In this article, I try to summarize briefly, without claiming to be exhaustive, the circumstances of the development of organizational culture as a concept, its various important definitions, as well as its levels and conditions for its creation. Attila Bokor (2000) examined the reasons for the development of the concept of organizational culture in the international literature, I summarize this in the first part of the article, and later I mainly present the approaches of Bakacsi (2010) and Bokor (2000). Finally, I would like to examine the statements of the previously mentioned sources through the critique of O'Reilly and Chatman (2016).

Gyóri, Boldizsár: Can Political Theology replace Liberalism?

In the following, I am going to present Carl Schmitt's political theology and its relationship with liberalism through the lens of his essays, *Political Theology* (1922) and *The Age of Neutralizations and Depoliticizations* (1929). We will see how Schmitt uses his political theology as a critique of liberalism. First, I will explain the historical origin of liberalism in Schmitt's lecture 'The Age of Neutralizations and Depoliticizations'. Following that, I will explain his critique and alternative to liberalism, that is, political theology. To properly understand Schmitt's critique of liberalism, I will briefly indicate the historical-political environment in which he was situated in when formulating his thoughts, and the philosophy of his main intellectual opponent, Hans Kelsen's legal positivism, which will help us understanding Schmitt's main arguments. After having introduced his political theology and view on liberalism, I will raise and answer the question whether his political theology is an alternative to liberalism.

Novák-Szabó, Enikő: A versatile game for developing skills – the steps of design work

"In Hungary (...) every child is obliged to participate in institutional education and to fulfill his/her compulsory education" [2011. year CXC. Act, § 45 (1)]. We must see it is critical whether a child entering school is prepared for the new types of challenges or bound to face failures throughout their studies time after time. Special education teachers help pre-school education assessing this; individual and group sessions provide opportunities to develop children's skills. However, human resource and equipment shortages are a daily problem. In what follows, I wish to explain how a designer can give a tangible answer to the everyday needs of professionals and how a self-designed multifunctional toy gets built from idea to prototype.

Vangelista, Laura Maria: Neurodiversity in the open labour market: Workplace integration of autistic workers

The lack of labour market integration of autistic adults is shown by the 85% unemployment rate that affects them and the high fluctuation in the employment of the remaining 15%. Frequent tension and frustration in the workplace not only make it impossible for autistic adults to find fulfillment in their work, but often make it difficult for them to keep their jobs. Reflecting on these problems, in this overview I seek an answer to the question of what methods prove successful in the integration of autistic workers into the workplace in the open labor market. In my overview, I first outline the theoretical background of altered work ability, autism spectrum disorder, and neurodiversity, and then present the methods of Autism-Specific Supported Employment.

Hargitai, Lili: Progressive constructions in Dutch

There are different „strategies” to express progressive tense in Dutch. The two most frequent such constructions are *aan het* INF *zijn* and *zitten te* INF. The latter contains a positional verb, namely the verb *zitten* ('to sit'). In my research, I use questionnaire and corpus research to investigate the validity of previous theories on the progressive tense and the main differences between the two progressive structures, focusing mainly on the two largest Dutch language varieties (Belgian and Netherlands Dutch). My study also covers the grammaticalization process of the positional verb (*zitten*) in this progressive structure. In addition to native speakers of Dutch, I also investigated the relevant knowledge of learners of Dutch as a foreign language.

Bolf, Márton: Designing and testing of a microfluidic focuser device

Microfluidics is an interdisciplinary science field which handles fluid driven systems where macrofluidic laws do not apply. Experiments related to microfluidic devices are more and more widespread in these days since the importance of knowing these systems is the key for modern biochemical and pharmaceutical research. Experiments with microfluidic devices can be conducted within minutes using minimal amount of sample this way it makes measurements cheaper and faster than former approaches. This essay records the fabrication and experimental testing of a microfluidic focuser device. The emphasis is on the passive microfluidic approach which uses the flow of the fluid to manipulate particles inside the microfluidic channel. The device designed and tested during the measurements is a microfluidic focuser which uses a so called “serpentine” geometry to move the particles to the middle of the channel. During the experiments multiple versions of the device were tested and evaluated to determine the main parameters of the system which influence the focusing performance of the chip.

Csertán, Tamás: Analysis of human navigation with network-based games

Network theory is a recent discipline in which many phenomena have not yet been fully explained. These include navigation in complex networks, where the previously prevailing notion of ‘using the shortest routes’ was later questioned by several studies. It is not necessary to emphasize how important it is to gain real insight and knowledge in this area: our search for paths in cognitive and real spaces, the paths of data packets on the Internet, stimuli in the brain are all could be interpreted as solving navigation tasks in networks. In my thesis I review the various theories set up for navigation, and I describe the recent developments in this subfield of network science. I also present the creation of an Android game based on a network model, which can be used to study the navigation behavior of players. I describe my hypotheses about human navigation strategies, which I formulate based on the game’s output data and the results found in the Wikipedia game database and current scientific research, and then examine their validity in these datasets.

Salánki, Péter István: Composite insulators – General abstract with particular reference to diagnostics

In the subject of electric power engineering, the role of overhead transmission lines has become more and more important recently because this the way that we can transmit electricity to bigger distances at high voltage level. Insulators are especially major elements of this network because they ensure the safety and efficiency of transmission, in addition gives mechanical retention to the structure. They traditionally made from ceramic materials but currently the polymer based so-called composite insulators are improving the fastest. They have several advantages against the more traditional ceramic based insulators thereby longer service life can be assumed. However, it is necessary to exactly know and recognize the most important properties, degradation effects and diagnostic methods of composite insulators to ensure their long-term safety service.