# Intelligent Decision Support Services Gas

Artur Ben, Yevhen Burov, Iryna Zavushchak

Lviv Polytechnic National University, Lviv, Ukraine

Mobile apps are an integral part of life of any smartphone owner.

Mobile apps are designed and developed to simplify the execution of certain actions and reducing the time of executing processes, since time-saving is an extremely important issue in the frantic pace of life.

Today, apps help to get the shortest route, without the knowledge of the orientation on the map to find where the cheapest product, without calling to the all shops, pay for travel, without Queuing at the checkout.

Given the increasing number of cars on the roads of Ukraine and abiding love of travel, motorists need app that will help you make a decision when choosing a gas station.

The developed system will allow you to find the nearest or the cheapest gas station in town where the user is for the first time, or to consider alternative to the usual gas station in his hometown, and not to waste time on dozens of searches to find gas stations near.

Scientific novelty of received results consists in the application of the system of support of decision-making in the field of search locations in close proximity to the user.

The system also remembers the criteria for the selection of stations and allows you to search for more relevant results.

At this stage the application will be dependent on the operating system and will focus on iOS, through greater capacity to pay and the demand for this type of application.

The developed system will help to simplify the interaction between the user and gas stations, to reduce the amount of time to refuel the car and will allow users to receive accurate and relevant information in a given subject area.

## References

1. Decision support tool for landfill gas-to energy projects.- Access Mode: https://www.sciencedirect.com/science/article/pii/S095965260600220
2. Decision Support Models for Natural Gas Dispatch. - Access mode: https://www.jstor.org/stable/20713157?seq=1
3. Exploring Decision Support and Strategic Project Management in the Oil and Gas Sector. - Access mode: https://www.sciencedirect.com/science/article/abs/pii/S0263237303001658
4. Vysotska V. Commercial Content Support Method in the Electronic Business Systems / Victoria Vysotska, Lyubomyr Chyrun, Liliya Chyrun // Computer Science and Information

Technologies: Proc. of the VIII-th Int. Conf. CSIT'2013, 11-16 November, 2013, Lviv, Ukraine..– Lviv: Publishing Lviv Polytechnic, 2013.– P.2-5.

5. Vysotska V. Comprehensive method of commercial content support in the electronic business systems / Victoria Vysotska, Lyubomyr Chyrun, Liliya Chyrun // Комп'ютерні системи проектування. Теорія і практика, Вісник Національного університету "Львівська політехніка". – № 777. – Львів 2013. – Стор.21-30.

6. Досин Д.Г., Висоцька В.А., Литвин В.В. Побудова системи підтримки прийняття рішень на базі адаптивної онтології // Обчислювальні методи і системи перетворення інформації: зб. пр. V-ї наук.-техн. конф., (Львів, 4-5 жовтня 2018 р.) - Львів: ФМІ НАН України, 2018. - Вип. V. - С. 135-138.

7. Висоцька В. А. Методи та засоби функціонування систем підтримки прийняття рішень на основі онтологій: монографія / В.А. Висоцька, Д.Г. Досин, Х.І. Микіч, І.І. Завущак, З.Л. Рибчак. – Львів: Видавництво «Новий світ – 2000», 2019. – 334 с.

8. Vysotska Victoria. Web Content Support Method in Electronic Business System / Victoria Vysotska, Vitor Basto Fernandes, Michael Emmerich // 2nd International Conference Computational Linguistics and Intelligent Systems, COLINS'2018: CEUR-Workshop Proceedings (Vol-2136). – Volume I: Main Conference. – 25-27 June 2018, Lviv, Ukraine. – P. 20-41. – http://ceur-ws.org/Vol-2136/10000020.pdf

9. Vysotska V. Unified Methods of Processing Information Resources in Electronic Content Commerce Systems / Victoria Vysotska, Lyubomyr Chyrun, Liliya Chyrun // Computer Science and Information Technologies (CSIT'2012): Proc. of the VII-th Int. Conf., (Lviv, 20-24 November, 2012).– Lviv: Publishing House Vezha&Co, 2012.– P.190-194.

10. Vysotska Victoria. Unified Methods of Processing Information Resources in Electronic Content Commerce Systems / Vysotska, Lyubomyr Chyrun, Liliya Chyrun // The 7th International Scientific and Technical Conference "Computer Sciences and Information Technologies" (CSIT'2012) which will be held November 20-24, 2012 at Lviv Polytechnic National University (Lviv, Ukraine) . – Lviv. – Стор.190-194.

11. Berko A. Logistic Functionally Model of Commercial Content Processing / Andriy Berko, Victoria Vysotska, Lyubomyr Chyrun // Computer Science and Information Technologies: Proc. of the VIII-th Int. Conf. CSIT'2013, 11-16 November, 2013, Lviv, Ukraine..– Lviv: Publishing Lviv Polytechnic, 2013.– P.36-39.

12. Vysotska Victoria. Web Content Processing Method for Electronic Business Systems / Victoria Vysotska, Lyubomyr Chyrun // International Journal of Computers & Technology. – Vol 12, No 2. – December 2013. – PP. 3211-3220. – ISSN 2277-3061.– [Online]http://cirworld.org/journals/index.php/ijct/article/view/3299.

13. Berko A. Functionally logistic model of commercial content processing / Andriy Berko, Victoria Vysotska, Lyubomyr Chyrun // Комп'ютерні системи проектування. Теорія і практика, Вісник Національного університету "Львівська політехніка". – № 777. – Львів 2013. – Стор.30-38.

14. Vysotska V. Analytical methods for commercial web content processing of information resource in electronic business systems / Victoria Vysotska, Lyubomyr Chyrun // MEST Journal. – Vol.2 No.1. – PP. 57-70 [Online]. – ISSN 2334-7058.

15. Lytvyn Vasyl, Vysotska Victoria, Lozynska Olga, Oborska Oksana and Dosyn Dmytro. Methods of building intelligent decision support systems based on adaptive ontology // DATA STREAM MINING & PROCESSING. Proceedings of the 2018 IEEE Second International Conference on Data Stream Mining & Processing (DSMP). – August 21-25, 2018. – Lviv, Ukraine. – PP. 145-150.