



## CURRICULUM VITAE SUMMARY

**OBJECTIVE** : To gain, transfer and exchange knowledge in Computer Science and Engineering related fields, using modern techniques.

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**Full Name** : Osama Ahmad Salim Safarini

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**Nationality** : Jordanian

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**Major** : **Computer Science and Engineering**

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**Date of Birth** : 23.11.1971

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**Marital Status** : Divorced

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**Place of Birth** : Zarqa

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**Languages (Spoken & Written)** : Arabic, English, Russian

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**Web Site:**

2. <https://tabukuniversity.academia.edu/OsamaSafarini>  
[https://scholar.google.com/citations?authuser=1&user=gPGtK\\_kA\\_AAAJ](https://scholar.google.com/citations?authuser=1&user=gPGtK_kA_AAAJ)  
<https://publons.com/researcher/3923552/osama-safarini/>  
<https://www.linkedin.com/in/osama-safarini-58b6591a6/>

**A. Certificates** (Put a tick [ ✓ ] mark opposite the degree applicable)

Certificates		Major (Field)	
BA	<input type="checkbox"/>	BSC	<input checked="" type="checkbox"/> Computer Science and Engineering
MA	<input type="checkbox"/>	MSC	<input checked="" type="checkbox"/> Computer Science and Engineering (Systems Software)
		PHD	<input checked="" type="checkbox"/> <b>Computer Science and Engineering</b> Computer-Aided Control Information Systems (Minor)

**B. Work Experience in teaching (after graduating)**

23

(Years)

**1. EDUCATIONAL ATTAINMENT (CERTIFICATES)**

YEAR		UNIVERSITY/SCHOOL	DEGREE	COUNTRY
FROM	TO			
1986	1989	Secondary School	General Secondary Certificate Aver. 92.9	Jordan
1991	1995	Odessa State Polytechnic University	B.Sc.	Ukraine
1995	1996	Odessa State Polytechnic University	M.Sc.	Ukraine
1996	2000	Russian State University of Oil and Gas / Moscow	PhD.	Russia

**2. WORK EXPERIENCE:** (A total of 23 years of teaching as detailed below.)

DATE		JOB TITLE	COMPANY/ INSTITUTION	COUNTRY	MAIN DUTIES
FROM	TO				
6.02.2001	16.09.2006	Staff member	Zarka Private University	Jordan	Faculty Member
16.09.2006	31.08.2007	Staff Member	Delmon University	Bahrain	Faculty Member
25.09.2007	31.08.2008	Staff Member	Oman College for Management and Technology	Sultanate of Oman	Faculty Member
11.10.2008	13.09.2009	Staff Member	King Saud University /Riyadh	KSA	Faculty Member
<b>25.09.2009</b>	<b>18.082019</b>	<b>Staff Member</b>	<b>University of Tabuk</b>	<b>KSA</b>	<b>Faculty Member</b>
<b>1.02.2021</b>	<b>Till now</b>	<b>Staff Member</b>	<b>PTUK</b>	<b>Jordan</b>	<b>Faculty Member</b>

**3. COURSES/WORKSHOPS ATTENDED**

DATE		COURSE/WORKSHOP		
FROM	TO	SCHOOL/INSTITUTION	COUNTRY	TITLE
14.03.2001	20.04.01	Zarka Private University	Jordan	Preparing newly hired staff members
4.04.2009	5.04.09	King Saud University	KSA	Communication Skills
29.12.2009	30.12.09	University of Tabuk	KSA	Accreditation and Quality Assurance
21.12.2009	30.12.09	University of Tabuk	KSA	Achievement tests

#### 4. PROFESSIONAL ORGANIZATION

DATE		ORGANIZATION	
FROM	TO	NAME	DESCRIPTION
2001	Till now	Jordan Engineers Association	Membership of Jordan Engineers Association

#### 5. PRESENTATIONS AND CONFERENCES

YEAR	CONFERENCE	COUNTRY	TYPE OF PARTICIPATION
1999	Third scientific Technical Conference Moscow, 1999, 27-29 Jan	Russia	Paper
1999	the third All-Russia Conference of young scientists Moscow, 1999, 28-30 September	Russia	Paper
2006	Abstracts of paper of the IPSI Conference Held in Carcassonne, France, UNESCO Heritage, April 27 to 30, 2006.	France	Paper

#### 6. PUBLICATIONS

YEAR	TYPE	TITLE	PUBLISHED IN	PUBLISHED BY
1999	Journal	On Automation of On-Line control of well Drilling.	Scientific Technical Journal "Automation Telemetry and communication in the oil Industry" N 3-4, 1999, (PP 2-8.)	Levitzky A.Z., Komandrovsky V. G., Safarini Osama
2000	Journal	On methods and Means to Develop Information software for On-Line control of Drilling.	Scientific Technical Journal "Automation Telemetry and communication in the oil Industry" N 3, 2000, (PP 7-11.)	Levitzky A.Z., Komandrovsky V. G., Safarini Osama
2011	Journal	Developing Digital Control System Centrifugal Pumping Unit	International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 2, No. 7, 2011 (PP. 20-22)	Safarini Osama
2011	Journal	"An Information System for controlling the well trajectory",	International Journal of Computer Science and Information Security IJCSIS Vol. 9, No. 2 (pp.7-9),	Safarini Osama
2011	Journal	"Interactive Information System for online processing geo-technological data (GTD) sinking wells",	International Journal of Computer Science and Information Security IJCSIS Vol. 9, No. 5 (pp. 106-108),	Safarini Osama
2011	Journal	Storage Area Network Implementation on an Educational Institute Network	World of Computer Science and Information Technology Journal (WCSIT) ISSN: 2221-0741 Vol. 1 No. 7, (PP.292-296), <a href="http://wcsit.org/">http://wcsit.org/</a> 2011	Safarini Osama
2011	Journal	Integrated Information System for reserving rooms in hotels	International Journal of Advanced Computer Science and Applications (IJACSA) ISSN- 2158-107X, Vol. 2, No.10, pp. (48-52), 2011	Safarini Osama

2012	Journal	“Method of operational diagnostic state of flow and calculation of calibration Coefficients using artificial neural networks”	International Journal of Computer Science Issues IJCSI, Vol. 9, Issue 1, No 3, pp. (197-200), January 2012 ISSN (Online): 1694-0814 // <a href="http://www.IJCSI.org">www.IJCSI.org</a>	Safarini Osama
2014	Journal	“Technology Implementation Of Computer Hardware In The Virtual Machines”	International Journal of Advanced Research in Computer and Communication Engineering Vol. 3, Issue 4, PP. (6299-6302) April 2014, ISSN (Online) : 2278-1021, ISSN (Print) : 2319-5940 // <a href="http://www.ijarce.com">www.ijarce.com</a>	Safarini Osama
2015	Journal	Hierarchical State Diagram And The Transition To Synthesis Of Telecommunications Protocol Automaton	International Journal of Scientific & Engineering Research, Volume 6, Issue 3, March-2015 ISSN 2229-5518, PP. (1457-1459) <a href="http://www.ijser.org">http://www.ijser.org</a>	Safarini Osama
2016	Journal	Load Speed Problems of Web Resources on the Client Side: Classification and Methods of optimization	International Journal of Advanced Engineering, Management and Science (IJAEMS) [Vol-2, Issue-8, Aug- 2016], Infogain Publication (Infogainpublication.com) ISSN : 2454-1311, PP. (1241- 1248) <a href="http://www.ijaems.com">www.ijaems.com</a>	Safarini Osama
2016	Journal	Synthesis of Digital Automatic Control System Pump Units	International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No. 11, November 2016, PP. (387-394) <a href="https://sites.google.com/site/ijcsis/">https://sites.google.com/site/ijcsis/</a> ISSN 1947-5500	Safarini Osama
2018	Journal	Analytical Study of Algorithms for Solving Inverse Kinematic Problems in Robot Motion Control Systems	International Journal of Advanced Computer Science and Applications (IJACSA) April 2018 <a href="http://thesai.org/Publications/IJACSA">http://thesai.org/Publications/IJACSA</a> ISSN- 2158-107X, Vol. 9, No. 4, (PP. 57-61)	Safarini Osama
2020	Journal	Prove the Importance of MOSRE framework to elicit security requirements at early stages of SDLC to minimize vulnerabilities at later phases in developing web applications	International Journal of Advanced Research in Computer and Communication Engineering Vol. 9, Issue 9, September 2020, ISSN (Online) : 2278-1021, ISSN (Print) : 2319-5940 // <a href="http://www.ijarce.com">www.ijarce.com</a> <a href="https://ijarce.com/issues/volume-9-issue-9-september-2020/">https://ijarce.com/issues/volume-9-issue-9-september-2020/</a>	Safarini Osama
2021	Journal	Internet Of Things: Standardizations, IoT Elements, Protocols, Architectural Design Choices, Challenges And Future Efforts	Science and Technology Publishing (SCI & TECH) ISSN (Online) : 2632-1017 Vol. 5 Issue 1, January – 2021 (PP.547-559) <a href="http://www.scitechpub.org/wp-content/uploads/2021/01/SCITECHP420115.pdf">http://www.scitechpub.org/wp-content/uploads/2021/01/SCITECHP420115.pdf</a>	Safarini Osama

## 7. COMPUTER SKILLS

1. Programming languages: Visual Studio, Basic, C/C++, Pascal, Delphi, Visual Basic, Visual C++, C#, Java, HTML, CSS, JavaScript, **Oracle, SQL**
2. MS Office (WORD, EXCEL, PowerPoint, FrontPage)
3. Experience working in an online / e-learning environment
4. Demonstrated ability to integrate computer technology into the curriculum.
5. **Experience in Quality Assurance and Academic Accreditation**

## 8. AWARDS RECEIVED

1. QAA ( British Quality Assurance Agency) at Zarqa University
2. "Tabuk University Shield" Computer Skills coordinator
3. **Tabuk University Shield for Quality, Development and Academic Accreditation (ABET & NCAAA).**

## 9. EXTRA CURRICULAR ACTIVITIES

1. Preparing Graduated students for (Achievement Exam) Held by Ministry of higher Education in Jordan/ ETS NewYork.
  2. Volunteer Work and Community Service.
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## 10. INTERESTS

1. Programming Languages, Web Programming, Artificial Intelligence
  2. Digital Logic and Computer Design, Information Systems
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## 11. HOBBIES

1. Reading
  2. Tourism
  3. Swimming
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## 12. REFERENCES

1. Osama Moh'd Radi Alia, Faculty member of the faculty of Computers and information Technology Tabuk University, Saudi Arabia. Phone: +966 53 248 3125, Email: [sm\\_alia@yahoo.com](mailto:sm_alia@yahoo.com), [oalia@ut.edu.sa](mailto:oalia@ut.edu.sa)
  2. Dr. Ziyad Shaaban, Faculty member of the faculty of Computers and information Technology Tabuk University, Saudi Arabia. Phone: +966 598751536., Email: [zshaaban@ut.edu.sa](mailto:zshaaban@ut.edu.sa)
  3. Dr. Tareq Ali Mohammad Alhmiedat, Vice Dean of Academic Affairs of the faculty of Computers and information Technology, Tabuk University, Tabuk, Saudi Arabia. Phone: +966 59-997 6756. Tel in Jordan 00962799849869. Email: [t.alhmiedat@ut.edu.sa](mailto:t.alhmiedat@ut.edu.sa) , [t.alhmiedat@gmail.com](mailto:t.alhmiedat@gmail.com)
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## 13. Courses Taught

**Computer Organization and Architecture, Management Information Systems, Web programming, Computer Networks, System Analysis and Design, Software Engineering, Computer Programming I, Discrete Mathematics, Computer Skills, Data Base Management Systems, Digital Logic and Computer Design, Graduated Projects.**

*Signature Dr. Safarini Osama*

# Dissertation Title

## ENHANCED DECISION-MAKING COMPUTER-AIDED METHODS (**INFORMATION SYSTEM**) FOR ON-LINE CONTROL OF WELL DRILLING

### **Abstract:**

The well drilling process became very boring, requires a choice of the justified solution from a set possible. Because of major bulk received and treated data, originating vastness of problem situations. The relevant value thus has information supply of drilling process for a possibility of effective human-engine acceptance of a solution. The complexity of operations at boring inclined, horizontal, sectional, on shelf of ocean - all this requires adequate reacting at operating (on-Line) control by well-studying process. The realization of computer-Aided control systems in many respects depends on progress the **applicable computer for conducting conversation in an interactive system of automated control**.

### **Scientific novelty**

1. Suggests an information approach to decision-making in operative control of a drilling process (OCDP), including a quantitative prediction of a process development proceeding from *a priori* accumulated information about these processes as respective classes without direct application of complicated mathematical relationships.
2. Suggests methods and means for development of an information system for decision-making on the basis of the theory and practice of image identification (**Pattern Recognition**) for three groups of OCDP tasks:
  - A. interactive appraisal of information significance of drilling components;
  - B. an axonometric presentation of inclinometer data;
  - C. Segmentation of geological-technological information according drilling regimes.
3. Developed algorithms and software for expert interactive appraisal of drilling components and selection of the most significant of them, assessment of changes in a number of component classes, their weight to take into account the properties of a field and applied technologies, a decision-making on real-time process control.
4. Suggests and developed, proceeding from the available **mathematical software** for interpretation of inclinometric data. the software for a visual axonometric presentation on a display of paths of design and actual wells, their turning around the vertical, selection of projections on horizontal and vertical planes, scaling of the selected sites of paths, changes of azimuth and zenith angles, prediction of these changes in relation to an assumed zone of hitting the assigned trajectory area.
5. Developed algorithms and GTI programs for data segmentation with a possibility of an interactive assessment of a segmentation quality, variation of a number of segments, their representative nature, correlation with a geological profile, boundaries of formations, drilling bit wear, prevention of emergencies.

# Gubkin Russian State University of Oil and Gas (National Research University), Moscow, 2000.

The **Gubkin Russian State University of Oil and Gas** ([Russian](#): Российский государственный университет нефти и газа имени И. М. Губкина) is a university in [Moscow](#). The university was founded on [April 17, 1930](#) and is named after the geologist [Ivan Gubkin](#). The university is affectionately known as Kerosinka ([Russian](#): Керосинка), meaning "kerosene stove".

For more information you can visit the Web Site: <http://www.gubkin.ru/>

<http://www.gubkin.ru/en/>

Web Site: Odessa National Polytechnic University <http://opu.ua/eng/>

<http://ics.opu.ua/eng/>