

Personal Information (CV)



- **Name:** Dr. Basem Abdullah Mohammed AL-Twejri
- **Nationality:** Iraqi.
- **Sex:** Male.
- **Religion:** Muslim.
- **Marital status:** Married
- **Place & Birth date:** Diyala, Iraq –1 of July 1956
- **Languages:** Arabic, excellent reading & writing “Mother language”
English, good reading & writing.
Russian, good reading & writing.
- **Position Title:** BSc, MSc, Radio- electronic aids of aircraft

(Work on diploma project on the theme “Air-to-surface missile control system with development of decoder”)

Kiev air Force Engineer Institute of Higher Military Education, USSR 1983.

Ph.D., Engineering Sciences
- **Specialty:** Radio Engineering and Television Systems

(Diploma project on the theme “Development of methods of measuring time scales offset in the radio technical systems of synchronization of time and frequency”).
- **Present Position:** Ministry of Education and Science of Ukraine

Kharkiv National University of Radio Electronics 2014
- **Specialist:** Mathematics, Electric circuits, Electronics Communication, Control System, Quantum-electronic devices
- **Computer Experience:** MATLAB, MathCAD.
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• **LIST OF PUBLICATIONS ON THE TOPIC OF THE THESIS**

1. Basem Al-Twejri Modeling systems time-frequency synchronization signals using common sources /Yu. Koval., E. Ivanova, E. Ivanova// Proceedings of the universities. Radio electronics. – 2011. – №. 2. p. 12-21.
2. Yu. Koval, E. Ivanova, A. Kostyrja and B. Al-Twejri Modeling frequency-time synchronization systems that use signals of common sources. Radio electronics and Communications Systems. Allerton Press, Inc. – Vol. 54. – No. 2, 2011. ISSN 0735-2727 pp. 68-76.
3. Basem Al-Twejri Experimental research capabilities of frequency-time synchronization signals using geostationary satellites SBAS systems / Yu. Koval., E. Ivanova, A. Khussein, E. Ivanova, H. Asaad//Radiotechnics: Ukrainian Technical Conference – 2011. – №. 165. – p. 46-55.
4. Basem Al-Twejri Effect of correlated noise in the multipath channel estimation error on the temporal position of the signal/ Yu. Koval. E. Ivanova, Basem Al-Twejri, V. Pryimak, A. Hussein//East - European Journal of advanced technologies. – 2011. – №. 3/12 (51). – p. 51-60.
5. Basem Al-Twejri Methods and algorithms for high-frequency timing / Yu. Koval, Basem Al-Twejri, A. Hussein // Connection. – 2012, №1. – p. 42-59.
6. Basem Al-Twejri Estimation of measurement uncertainty when comparisons of standards of time and frequency electronic methods / Yu. Koval, V. Pryimak //The information processing system. – Kharkiv: KhUPS, 2012. – Ed. 21 (99). p. 30–33.
7. Basem Al-Twejri Criteria for comparison of radio methods and algorithms for synchronization spaced time and frequency standards /Yu. Koval. E. Ivanova, Basem Al-Twejri // Radio technics: Ukraine Technical Conference 2012. Ed. №. 169. p. 37 – 47/
8. Basem Al-Twejri Analysis and experimental evaluation of measurement uncertainty shift time scales using signals SBAS systems/Yu. Koval, V. Pryimak, S. Plekhno, A. Hussein// Information processing system. – 2013. – №. 3 (110). – p. 107-111.
9. The method of frequency - time synchronization spaced standards and standards of time and frequency, Pat. 77652 Ukraine, МПК. / Yu. Koval, Basem Al-Twejri, S. Plekhno; Applicant and patentee KhNURE; published. 25.02.13, Bull. №4.
10. Basem Al-Twejri Stand for assessing the quality of synchronization with the use of GPS-signals and directional antennas / V. Pryimak, Basem Al-Twejri, A. Hussein //Radio electronics and youth in the XXI century: 15th Intern. Youth Forum, 18-20 April 2011: abstracts Ч3. – X.; 2011. – p. 177–178.
11. Basem Al-Twejri Development of principles of construction of the phase comparison of measures of time and frequency / S. Plekhno, Basem Al-Twejri, H. Asaad / Radio electronics and youth in the XXI century: 15th Intern. Youth

- Forum, 18-20 April 2011: abstracts Ч3. – X; 2011. –p. 221–222.
12. Basem Al-Twejri Effect of channel and hardware correlated noise on the error frequency timing / Yu. Koval, E. Ivanova, V. Pryimak, Basem Al-Twejri// Applied Radio electronics. Status and prospects of development "(MRF-2011): Internet radioelectr. Forum, 19-22 October 2011 г. abstracts– T1, Ч2, С. 89-90.
 13. Basem Al-Twejri Model of the channel frequency-time synchronization/ Yu. Koval, V. Obelchenko, Quadrature signal processing, Basem Al-Twejri, A. Hussein// "Microwave & Telecommunication Technology" (CriMiCo'2011): 21-Crimean Intern. Science. - Engineering. Conf., 12-16 Sept. 2011 p. abstracts, T1, - Crimea, Sevastopol, 2011. – p. 425 – 427.
 14. B.A. Al-Tvejri MODEL OF THE CHANNEL TIME-FREQUENCY SYNCHRONIZATION/ Koval J.A, Obelchenko V.V, Kostyrja A. A., Al-Tvejri B.A, Hussein A.F. // IEEE Catalog Number: CFP11788-PRT; ISBN: 978-1-4577-0883-1. V.1, P. 425-427.
 15. Basem Al-Twejri Criteria for comparison of synchronization algorithms spaced measures time and frequency/ Yuriy Koval, Alexander Kostyrya, Viacheslav Pryimak, Basem Al-Twejri // Proceedings of the XIth International Conference TCSET'2012 "MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE", Lviv-Slavske, Ukraine Feb. 21-24, 2012. –P. 117.
 16. Basem Al-Twejri Errors of measurement time position signals in quadrature processing / Рубанович А.И., Basem Al-Twejri //Electronics and youth in the XXI century: 16th Intern. Youth Forum, 17-19 April 2012: abstracts Т. 3. – X, 2012. – p. 144–145.
 17. Basem Al-Twejri Modeling of errors comparison measures time using a quadrature signal processing envelopes common / Yu. Koval, E. Ivanova, Basem Al-Twejri//Metrology and Measuring Equipment (Metrology -2012): Intern. Science. - Engineering. Conf., 12-14 October 2012 p.: additional thesis, T1, - X., 2010. – p. 115-118/
 18. Basem Al-Twejri Estimation of errors and uncertainties in measurement in systems of synchronization / КОВАЛЬ Ю. А., V. Pryimak , Basem Al-Twejri //22nd International Crimean Conference "Microwave & Telecommunication Technology" (КрыМиКо'2012): Intern. Science. - Engineering. Conf., 10-14 September 2012 p. тези докл., T1, - Crimea, Sevastopol, 2012. – p. 332-333/
 19. Basem Al-Twejri Modeling of passive systems synchronization using quadrature signal processing envelopes / Yu. Koval, V. Pryimak, Basem Al-Twejri // Current problems and achievements in the field of radio, telecommunications and information technology: VI Intern. Scientific-pract. Conf. 19 - 21 September 2012 thesis. dop.- Zaporozhye: ZNTU, 2012 – p 71 - 72.

• **Member:** Member of Iraqi Engineers Society

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