
Prof. DSc. Yevgeniy A. Kontar
University of Illinois, USA

General information

Professor, Dr. Yevgeniy (Yev, Evgeny, Evgueni) A. Kontar

Accomplished, innovative science educator and executive with extensive experience driving academic process and operational improvements in start-up and high-growth multidisciplinary grant programs. Strong international grant coordination and scientific background and fluency in several foreign languages. As a grant coordinator, principle investigator and project director conducted more than 20 large-scale educational and science national projects and more than 10 international projects. Some of the projects had budgets up to \$10,000,000. Reviewer and panelist for National Science Foundation (USA) and European Commission (Belgium). Highly skilled in grant preparation, application via FastLane and other governmental information facilities and grant projects coordination as well as in education and scientific management, developing and re-engineering quality grant coordination and grant educational systems and academic processes.

Fields of Research

Fields of expertise: Scientific Education and Science Research Grant Management, Geosciences, Natural and Technological Hazards, Geophysics, Geology, Hydrology, Oceanography.

Honours and Memberships

Member of the American Geophysical Union (AGU) Focus Groups Fellow Committee (2009-Present).

Executive Member of the AGU Natural Hazards Focus Group (2009-Present). President of the International Commission on Groundwater-Seawater Interactions (2005-Present). Member of the Executive Committee of the Natural Hazards Society (2004-Present). Member of the Bureau of the International Union of Geodesy and Geophysics (IUGG) GeoRisk Commission (1999-Present). President of the IUGG Inter-Association Commission on Groundwater-Seawater Interactions between the International Association for the Physical Sciences of the Ocean (IAPSO), an ocean oriented group and the International Association of Hydrological Sciences (IAHS) whose members are specialists in hydrology (2001-2005).

Member of the IUGG International Association of Hydrological Sciences (2001), Membership No. 3218.

Member of the Oceanography Society (1998), Membership No. 2645.

Member of the American Geophysical Union (1997), Membership No. 30040465.

Member of the International Information and Computation Academy (1995), Certif. No. 10-5439.

Member of the Russian Academy of Natural Sciences (1991), Certif. No. 00339.

HONORS AND AWARDS:

European Union Erasmus Mandus Scholarship Grant (2005).

Swiss National Science Foundation Integrated Partnership Grant (2001).

J. William Fulbright Grant, USA (1999).

National Research Council of the United States Research Grant (1997-1998).

Medal commemorating the 850th Anniversary of Moscow (1997).
Medal commemorating the 300th Anniversary of the Russian Fleet. Moscow, Russia (1996).
Academic Prizes in Research and Development. The USSR Academy of Sciences (1985 and 1987).
Prize of Lenin Komsomol. Moscow, USSR (1979).
Two gold and one silver medal for competition among young scientists in All-Union Exhibitions. Moscow, USSR (1973, 1975, and 1976).

Education and Qualifications

SCIENTIFIC AND ACADEMIC RANKS:

Rank of Full Professor (1990), by Decision of the USSR State Committee in Education dated June 28, 1990 (Minutes No. 324/p) Evgeny A. Kontar is conferred the academic rank of Professor in Mining and Mining Prospecting Working. The Soviet Union Supreme Attestation Commission Certificate No. PR 005655.

Rank of Senior Scientific Researcher (Associate Professor) (1981), by Decision of the USSR Academy of Sciences Presidium dated June 11, 1981 (Minutes No. 897) Evgeny A. Kontar is conferred the scientific rank of Senior Scientific Researcher in Oceanology. The USSR Academy of Sciences Certificate No. SN 005023.

Professional experience

RECENT PROFESSIONAL POSITIONS AND EXPERIENCE:

Adjunct Faculty at the College of Sciences of The University of Findlay, Ohio, USA (August 2012 – present) <https://v4.findlay.edu/directory/facstaff/K/ykontar.htm?deptId=GEOL>
Teaching

the course “Integrated Approach to the Sciences” NSCI 100 and the honors course HNRS 370 “Ocean Focus.”

Created, developed, coordinated and prepared for submission to the National Science Foundation (NSF) two large-scale interdisciplinary research projects with the total budget more than \$5,000,000.

Chief Scientific Officer, Federal GEOS Funding, INC., Phoenix, Arizona, USA (October 2011 – August 2012). Coordinated grants and large-scale educational and scientific research projects and programs.

Senior Scientist/Head, Large-Scale Research Projects Coordinator, Office of the Director, Illinois State Geological Survey Division (ISGS), Institute of Natural Resource Sustainability, University of Illinois at Urbana-Champaign, Illinois, USA (June 2009 – September 2011)

<http://www.isgs.uiuc.edu/about-isgs/staff-dir/k/kontar.shtml>

Head, Geophysics Section of the Geologic Mapping and Hydrogeology Center, Illinois State Geological Survey Division (ISGS), Institute of Natural Resource Sustainability (INRS), University of Illinois at Urbana-Champaign, Illinois, USA (June 2007 – June 2009):

Adjunct Professor of Geology and Environmental Sciences at the College of Sciences of The University of Findlay, Ohio, USA (December 2005 – June 2007)

<https://v4.findlay.edu/directory/facstaff/K/ykontar.htm?deptId=GEOL>

Taught more than 170 students each semester: graduate course Hydrology ENVM 599, Applied Earth Science GEOL 150, Integrated Approach to the Sciences NSCI 100 (two sections), an honors course HNRS 346.51 Ocean Focus, and General Physics Lab PHYS 251L (two sections).

Erasmus Mundus Professor at the University of Algarve, Portugal. European Commission (EC) Erasmus Mundus Program. Taught Master Course in Coastal Hydrogeology Summer Semesters, May-August 2005, May-June 2006).

Professor of Earth Science and Hydrology at the University of North Alabama, Alabama, USA (2004).

Director (Head) of the Experimental Methods Laboratory at the P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences (SIO RAS), Moscow, Russia. Coordinated and conducted large-scale scientific projects and programs of the fundamental and basic research carried out by the Russian Academy of Sciences (RAS) and EC; Member of the Russian Academy of Natural Sciences and National Oceanographic Committee; Member of the Russian Associated Branch of Integrated Ocean Drilling Program (IODP) and Russian Federation Delegation to the United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea and to the Intergovernmental Oceanographic Commission (IOC/UNESCO) Assembly and Executive Council meetings (1994-2003).

Research work

Accomplished internationally well recognized research grant coordinator, educator and scientist. Published more than 200 peer-reviewed articles and 6 books.

Created numerous inventions and discoveries and received 125 patents in Russia, Japan, Germany, France, Canada, Finland, Australia, and USA (US Patents: 4,116,069; 4,155,491; 4,345,461, and 4,557,697).

Major scientific discoveries - documentation of warm benthic storms and explanation of the nature of mosaic distribution of radionuclides on the sea-floor (Kontar and Sokov, 1997). Developed new methodology for investigation, evaluation and assessment of coastal geo hazards including contaminated submarine groundwater discharge, salt water intrusion and groundwater flooding.

Developed methods of long-term geo ecological monitoring *in situ*, and automatic, self-contained systems: including pop-up stations for ecological investigations of the near-bottom layer, ultra-low-frequency seismic and hydroacoustic signals, micro seismicity, and dynamics of the bottom boundary layers.

Worked on large-scale international programs and projects for the International Hydrological Program (IHP-UNESCO, UN) and Intergovernmental Oceanographic Commission (IOC-UNESCO, UN), International Atomic Energy Agency (IAEA, UN) Scientific Committee on Oceanic Research (SCOR) and Land-Ocean Interactions in the Coastal Zone (LOICZ) International Projects related to measurement and management of submarine groundwater discharge in the coastal zone (Florida Keys, Long Island, USA; Aral Sea, Uzbekistan, Kazakhstan; Brisbane, Perth, Western Australia; Sicily, Italy; Taiwan; Philippines; Ubatuba, Brazil and Mauritius).

Worked on international programs and projects for the European Commission (EC) related to the coastal zone maritime geo risk, ventilation of the Black Sea anoxic waters, oil pollution in the Caspian Sea and desertification in the Aral Sea region, for International Atomic Energy Agency (IAEA, UN) related to radioactive contamination in the Black Sea and development of the operational system for monitoring and studying groundwater discharge and seawater intrusion in the coastal zones.