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Annex 01

List of projects proposal,

***Fellowship Programme in Engineering
edition 2017 B for citizens from developing countries (Africa, Arab States, Asia and
the Pacific, Europe, Latin America and the Caribbean) - see Annex 02;
PhD studies at the AGH UST Krakow, Poland***

Beneficiaries of these fellowships will be given the opportunity to undertake an individual research programme under supervision of tutor in the field of the Science, Technology and Engineering.

ID 2017B 01 AGH PL. Transport Engineering/ Automation (Field of research). Transport System for Cyber Cities and Manufacturing 4.0 (Project title). Academic requirements: Candidates should have a M.Sc. degree, in engineering. Qualifications required: be proficient in reading and writing in English; be not more than 35 years of age; and be in good health, both physically and mentally; other general knowledge in computer modeling; general knowledge in transport engineering. AGH UST Faculty of Mechanical Engineering and Robotics; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English. DAC OECD countries (see Annex 02) from: Asia and the Pacific, Africa, Latin America and the Caribbean; Number of fellowships: 2.

ID 2017B 02 AGH PL. Geology, Mineralogy (Field of research). Tin Deposit in Rwanda (Project title). Academic requirements: Candidates should have a B.Sc. or M.Sc. degree; good knowledge in geology of Rwanda, and mineralogy and geochemistry. Qualifications required: be proficient in reading and writing in English; be not more than 40 years of age; and be in good health, both physically and mentally; have a general knowledge in basic computer software. AGH UST Faculty of Geology, Geophysics and Environmental Protection; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English. DAC OECD countries (see Annex 02) from Africa; Number of fellowships: 1.

ID 2017B 03 AGH PL. Geology (Field of research). Mineralogical and Geochemical Characteristics of Manganese Mineralization in Iran (Project title). Academic requirements: Candidates should have a M.Sc. degree (in time of arriving) is obligatory to start PhD project. Qualifications required: be proficient in reading and writing in English; be not more than 40 years of age; and be in good health, both physically and mentally; general knowledge in manganese deposits and their genesis; be familiar with modern analytical technique – EMPA, XRD, Roman spectroscopy, IR spectroscopy, ICM-MS, FI study; good knowledge of Farsi; general knowledge on Iran geology; passing Economic Geology and Ore Petrology courses; Own samples for studying are REQUIRES. AGH UST Faculty of Geology, Geophysics and Environmental Protection; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English. DAC OECD countries (see Annex 02) from Asia and the Pacific, Arab States; Number of fellowships: 1.

ID 2017B 04 AGH PL. Electronics (Field of research). Reliability and Electrical Characterization of Electronic Components and Circuits Under Electromagnetic Interference (EMI), high shock, vibration and thermal problems (Project title). Academic requirements: Candidates should have a B.Sc. or M.Sc. degree;. Qualifications required: be proficient in reading and writing in English; be not more than 36 years of age; and be in good health, both physically and mentally; general knowledge in physics and electronics. AGH UST Faculty of Computer Science, Electronics and Telecommunications; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English. DAC OECD countries (see Annex 02) from Asia and the Pacific; Number of fellowships: 1.

ID 2017B 05 AGH PL. Environmental Engineering (Field of research). Investigations of the Influence of Point and Diffuse Sources of Nutrients on the Development of the Eutrophication Processes in Eastern Europe (Project title). Academic requirements: Candidates should have a M.Sc. degree; Qualifications required: be proficient in reading and writing in English and Polish; be not more than 32 years of age; and be in good health, both physically and mentally; general knowledge in chemistry, environmental protection, mathematics, Office Programs; practical and professional work experience; candidate has experience of studying and researching abroad. AGH UST Faculty of Mining Surveying and Environmental Engineering; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English, Polish. DAC OECD countries (see Annex 02) from Europe; Number of fellowships: 1.

ID 2017B 06 AGH PL. Polymeric Materials in Foundry Engineering (Field of research). Studies on the Crosslinking Process of the Polymeric Binder in Mineral Matrix by the Selected Physical Factors (Project title). Academic requirements: Candidates should have a M.Sc. degree; foundry or metallurgical engineering, polymers engineering. Qualifications required: be proficient in reading and writing in English; candidate was previously a scholarship in another program, be not more than 30 years of age; and be in good health, both physically and mentally; general knowledge in chemistry of polymers, polymers engineering, foundry engineering, moulding sands. AGH UST Faculty of Foundry Engineering; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English, Polish. DAC OECD countries (see Annex 02) from Latin America and the Caribbean; Number of fellowships: 1.

ID 2017B 07 AGH PL. Geophysics (Field of research). Measuring Soil Water Content with Ground Penetrating radar (Project title). Academic requirements: Candidates should have a B.Sc. or M.Sc. degree; Qualifications required: be proficient in reading and writing in English; be not more than 45 years of age; and be in good health, both physically and mentally; general knowledge in geophysics. AGH UST Faculty of Geology, Geophysics and Environmental Protection; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English. DAC OECD countries (see Annex 02) from Africa, Latin America and the Caribbean, Asia and the Pacific; Number of fellowships: 4.

ID 2017B 08 AGH PL. Gas Engineering (Field of research). Development of Vortex-Type Four Phase Separator (Project title). Academic requirements: Candidates should have a M.Sc. degree; Qualifications required: Very good speaking, reading and writing in English; special technical English; not more than 25 years of age; and be in good health, both physically and mentally; general knowledge in mining engineering and offshore oil and gas technologies. AGH UST Faculty of Drilling, Oil and Gas; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English. DAC OECD countries (see Annex 02) from Europe; Number of fellowships: 1.

ID 2017B 09 AGH PL. Environmental Engineering (Field of research). The Analysis of Main Sources of Biogenic Matter Discharged to Surface Waters in Chosen Catchments in Poland and Ukraine (Project title). Academic requirements: Candidates should have a M.Sc. degree; Qualifications required: be proficient in reading and writing in English and Polish; be not more than 30 years of age; and be in good health, both physically and mentally; general knowledge in chemistry, environmental protection, mathematics; practical and professional work experience; candidate was previously awarded a scholarship in another program. AGH UST Faculty of Mining Surveying and Environmental Engineering; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English, Polish. DAC OECD countries (see Annex 02) from Europe; Number of fellowships: 1.

ID 2017B 10 AGH PL. Oil and Gas Engineering (Field of research). Model of Gas-liquid-sand Mixture Separation in the Four-Phase Separator of Inertial type for Subsea Application (Project title). Academic requirements: Candidates should have a B.Sc or M.Sc. degree in petroleum engineering, offshore petroleum technology; Qualifications required: be proficient in reading and writing in English; be not more than 26 years of age; and be in good health, both physically and mentally; AGH UST Faculty of Drilling, Oil and Gas; Project duration: 9 months. Proposed starting date: 02.10.2017. Language: English. DAC OECD countries (see Annex 02) from Africa, Asia and the Pacific, Latin America and the Caribbean; Number of fellowships: 1.