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Nuclear Chemistry in the Central European Energy Institute

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The lack of the technically educated specialists is the problem concerning the whole Europe. The problem is strongly felt in the field of nuclear power engineering. There are for two main reasons responsible for the current situation. The first is lack of interest of the potential students in the study in technical fields. The second one is the long term problem related to the generation exchange of the specialists. Taking into account the problems mentioned, Czech technical universities decided to establish a Central European Energy Institute which is aiming at providing a sustainable, interdisciplinary and practical teaching programme for highly educated specialists in nuclear power engineering.

Such concept is supported in the framework of Operation Programme Education for Competitiveness supported by the Czech Ministry of Education Youth and Sports. Key activity of the project is to ensure the innovation of the nuclear power engineering study programmes in all three levels (Bc, MSc and PhD study programme) including formation of new educational materials and introduction of E-learning system. An integral part of the educational programmes of the Institute will be curriculum in nuclear chemistry. It will aim to give the students –future engineers –indispensable radiochemical background with the emphasis on the chemistry of operation of nuclear power plants, technology of the fuel cycle of nuclear power stations and the waste management and treatment.

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