Matematyka kodem nowoczesności

Uniwersytet Śląski w Katowicach, Instytut Matematyki, ul. Bankowa 14, 40-007 Katowice, www.math.us.edu.pl

DESCRIPTION OF THE OBJECT OF THE CONTRACT

The University of Silesia invites all parties interested to submit tenders for rendering didactic services (according to a template enclosed). The Contracting Authority puts forward a full description of the object of the contract. Provided that all basic requirements are met, the sole criterion of the selection of the most advantageous tender is its price. While calculating the total costs of lectures, the Contractor should also include in them all travel costs and expenses to be incurred for accommodation and sustenance. The net and gross unit price must be quoted in the tender submitted.

The object of the contract is delivery of 12 hours of lectures by lecturers - foreign experts within the framework of the project "Mathematics as a code of modernity" being implemented by the University of Silesia in Katowice and co-financed under European Social Funds as part of the Human Capital Operational Programme, Priority IV. Tertiary education and science, Measure 4.1. Strengthening and development of didactic potential of universities and increasing the number of graduates from faculties of key importance for knowledge-based economy, Sub-measure 4.1.2 Increasing the number of graduates from faculties of key importance for knowledge-based economy, no. UDA-POKL POKL-04.01.02-00-068/12-00.

Subject matter of a lecture:
"Functional equations and their applications in mathematical modelling "

I. Contract due date:
Required contract due date: 12 - 17 January 2014.
Lectures will be adapted to the students' classes schedule.

II. Place of contract performance:
Institute of Mathematics, University of Silesia in Katowice, Bankowa Street 14, 40-007 Katowice.

III. Number of hours and participants:
The Contractor will deliver 12 hours of lectures (1 hour means "a classes period" - 45 minutes). The lectures will be conducted for maximum 110 students.

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IV. Conditions for participation in the tender procedure:

1. <u>Requirements for lecturers, experts conducting lectures:</u>
   Preparation and delivery of 12 hours of lectures. The lecturer should demonstrate expertise and experience in the field of the subject matter indicated by the Contracting Authority. Lectures must be conducted in English.

   Scope of duties includes:
   - presentation of theoretical assumptions of lectures in accordance with their theme;
   - keeping a register of lectures / a time sheet – templates will be provided by the Ordering Authority;
   - checking a list of a lecture participants – templates will be provided by the Ordering Authority.

   Lecturers must meet the following conditions:
   - holding a degree of a professor in a foreign university – *a declaration*;
   - having minimum 4-year didactic experience in the scope of applications of mathematics focusing on mathematical modelling in mathematics and in other fields of science – *a declaration*;
   - issuing at least one publication in the scope of the subject matter of a lecture in the last four-year period –*a declaration*;
   - possessing proficient command of English language – *a declaration*.

2. <u>Requirements for lecture theatres and equipment:</u>
   The Contracting Authority provides lectures theatres equipped with a multimedia projector, a screen and a blackboard.

V. Scope of subject matter of lectures:

The subject matter of lectures should treat function equations and its applications principles in mathematical modelling.

Lectures are to be conducted in English. A title of a cycle of 12 hours of lectures is " Functional equations and their applications in mathematical modelling " and should cover the following issues:

- Generalized Aczél-Jabotinsky equations, implicit functions and Briot-Bouquet equations
- Generalized Dhombres functional equations in the comp
- Associative power series

VI. Copyright:

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The Contractor will transfer upon the Contracting Authority proprietary copyrights to documents, papers and other materials prepared by oneself as part of performance of this contract without time and territorial restrictions.

Persons interested and meeting the requirements are invited to submit tenders in a written form no later than before 20 December 2013, office hours: from 7.30 a.m. to 3.30 p.m. at the address: Katowice, Bankowa Street 12, room no. 11 or at the email address: urszula.miemiec@us.edu.pl. Formal matters are to be dealt with by Urszula Miemiec tel.: (32) 359 16 22, and the person responsible for substantive issues is Ph.D. Henryk Gacki tel.: (32) 359 21 88. Tenders should be signed by an authorised person, in compliance with the manner of representation of the Contractor. Not signed and incomplete tenders shall not be considered.