

Dipartimento di Scienze Molecolari e Nanosistemi Università Ca' Foscari Venezia Campus Scientifico – Via Torino 155, 30170 Mestre (VE) P.IVA 00816350276 - CF 80007720271 www.unive.it/dsmn

#### Il Direttore del Dipartimento

PUBLIC NOTICE OF EXPRESSIONS OF INTEREST TO PARTICIPATE IN A NEGOTIATED PROCEDURE FOR THE AWARD OF THE TERAHERTZ LASER SYSTEM

CIG: 7922141590

CUP: H76C18000880006

The Ca' Foscari University of Venice, Department of Molecular Sciences and Nanosystems, below referred to as University, intends to invite expressions of interest to proceed with the acquisition of TERAHERTZ LASER SYSTEM, through a negotiated procedure pursuant to art. 36 paragraph 2 lett. b) of the Legislative Decree 50/2016 as amended from time to time (hereinafter also referred to as the Code), with an invitation addressed to 5 economic operators.

This notice is intended solely for the purpose of receiving expressions of interest, to facilitate the participation and consultation of economic operators potentially interested in being invited to the procedure in question, and in no way can it be considered binding for the University.

With this notice no awarding procedure is called and therefore there are no rankings, scores or other classifications of merit. Expressions of interest are for the sole purpose of communicating to the University the willingness to be invited to submit offers.

The University reserves the right not to proceed with the call for the subsequent negotiated procedure for the award in question.

### 1 – OBJECT OF THE TENDER

The contract has as its object the awarding of the service of TERAHERTZ LASER SYSTEM.

#### 2 - GENERAL ADMISSION REQUIREMENTS

Applications can be made by subjects, according to art. 45 of Legislative Decree 50/2016, who:

- 1) are not in any of the situations of exclusion referred to in art. 80 of Legislative Decree 50/2016 and amendments;
- 2) At least 10 units of Terahertz Laser Systems sold in the past 3 years;
- have not awarded tasks in violation of art. 53, paragraph 16-ter of the 2001 Legislative Decree no. 165 as amended from time to time.

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### 3 – ESTIMATED QUOTE FOR SERVICE

The estimated amount of the service is € 90 000,00 (not subject to VAT as per Article 72 of Presidential Decree 633/1972).

### 4 - TERMS OF DELIVERY

The delivery date will be specified later.

### 5 – AWARD CRITERION

The best offer will be selected according to the lowest price criterion, according to the art. 95, paragraph 4, of the Code.

## 6 - DEADLINE AND METHOD OF PRESENTATION OF THE EXPRESSIONS OF INTEREST

The economic operators interested in being invited to the negotiated procedure will have to present an expression of interest, according to the form attached to this notice (Attachment 1), signed by the legal representative of the company, with whom the same, pursuant to the articles 46 and 47 of the Presidential Decree 445/2000 as amended from time to time, aware that anyone who issues false declarations is punishable by the penal code and by special laws pursuant to art. 76 of the aforementioned Presidential Decree 445/2000, declares:

- not to be in any of the situations of exclusion pursuant to art. 80 of Legislative Decree 50/2016 as amended from time to time;
- 2) to possess proof of at least 10 systems sold in the past 3 years;
- not having awarded appointments in violation of art. 53, paragraph 16-ter of the 2001 Legislative Decree no. 165 as amended from time to time,
- 4) to accept, without reservation, the notice of expression of interest in question.

A copy of a valid identification document of the applicant must be attached to the expression of interest.

In the case of RTIs in formation, the expression of interest (Attached 1) must be completed and signed by each member of the grouping, stating whether they are an agent or a principal. In this case, expressions of interest must be included in a single envelope.

It is specified that the certified email address (PEC) must be unique both in the case of a single competitor and in the case of RTIs in formation. In the latter case, the PEC address must correspond to that of the parent company.

Any changes to the PEC address or temporary problems in the use of this form of communication must be promptly reported to the person in charge of the procedure, Dipartimento di Scienze Molecolari e Nanosistemi Università Ca' Foscari Venezia Campus Scientifico – Via Torino 155, 30170 Mestre (VE) www.unive.it/dsmn

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otherwise the University declines all responsibility for the late or non-delivery of communications.

# Expressions of interest must arrive before and no later than the time of 12.00 of the date 14/06/2019 by means of registered letter with return receipt (raccomandata A/R) to: UNIVERSITA' CA' FOSCARI VENEZIA DIPARTIMENTO DI SCIENZE MOLECOLARI E NANOSISTEMI Via Torino 155 30172 MESTRE-VENEZIA

Hand delivery is also permitted, before the aforementioned deadline, to the Secretariat of the Department of Molecular and Nanosystems - Via Torino 155 - 30172 Mestre-Venezia, specific receipt will be issued. On the outside of the envelope there must be written:

- details and address of the sender

telephone number and PEC address, email address;

- the text "Notice of expression of interest for the award of the service of TERAHERTZ LASER SYSTEM".

Alternatively, transmission before the deadline indicated above, via certified email (PEC) to the PEC address is permitted: **protocollo@pec.unive.it**.

<u>Please note that the Secretariat of the Department of Molecular and Nanosystems - Via</u> <u>Torino 155 - 30172 Mestre-Venezia is open every day from Monday to Friday at the</u> <u>following times</u>: from Monday to Friday from 10.00 to 12.00

The sending of the expression of interest is at the total and exclusive risk of the sender and any liability of the University in cases in which it is not received by the deadline remains. The deadline for submission of the application is mandatory and the date and time of arrival will be respected.

# 7 - SUBJECTS INVITED TO THE NEGOTIATED PROCEDURE

Following receipt of expressions of interest within the deadlines set forth in point 6 above, the University will send the invitation to present an offer to each subject who possesses the requirements referred to in point 2 above. In the case of RTIs in formation, the invitation will be sent to the parent company.

The RUP will be able to define criteria based on wich the five economic operators to be invited to the negotiated procedure will be identified. Dipartimento di Scienze Molecolari e Nanosistemi Università Ca' Foscari Venezia Campus Scientifico – Via Torino 155, 30170 Mestre (VE) www.unive.it/dsmn

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### 8 - OTHER INFORMATION

- a. Processing of data sent by the interested parties will take place in accordance with the provisions contained in Legislative Decree 196/2003 as amended from time to time for purposes related to the procedure that is the object of this notice.
- b. This notice is published at www.unive.it/appalti.
- c. The University reserves the right to initiate the award procedure in question even in the absence of expressions of interest.

### 9 – PERSON IN CHARGE OF THE PROCEDURE

The sole person in charge of the procedure is prof. **Pietro Riello** - Telephone: 041-2346718 - email: riellop@unive.it.

Venice,28.05.2019

Director of Department (prof. Pietro Riello)

### **Characteristics of the Terahertz Laser System**

Typology of the system: photoconductive antennas for generation and detection of THz radiation, driven by a femtosecond laser system with 1560 nm center wavelength. Fully integrated electronics to control all components and to deliver THz spectroscopy measurements. Software to control THz system and image processing.

Characteristic / parameter	Value
All components must be compatible with the Italian electrical system	YES
All components must be tested and perform according to terms in draft	YES
agreement	
CE marked components	YES
Laser power	≥ 80 mW
Laser repetition rate	≥ 100 MHz
Laser pulse duration	≤ 60 fs
THz power generated by the antennas	≥ 25 microWatts
Peak dynamic range THz signal in ≤ 1 minute data acquistion	≥ 90 dB
Single-shot peak dynamic range (≤ 50 ms data acquisition)	≥ 60 dB
THz bandwidth	≥ 5 THz
Adjustable terahertz beam path length	≥ 80 cm
Dynamic range at 5 THz	≥ 20 dB
Electronics fully integrated (no external parts required)	YES
Imaging extension fully integrated	YES
Imaging software provided	YES
Translational movement of sample holder synchronized with THz data	YES
acquisition	
Accuracy of stage positioning	≤ 0.3 mm
Measurement speed (with full spectrum recorded)	16 pixels/s
Travel range of sample holder (in each in-plane direction)	≥ 15 cm
Filtering of imaging data in time and frequency	YES
Delivery time	≤ 3 months