

**RULES  
OF THE INTERNATIONAL CENTRE  
FOR THEORY OF QUANTUM TECHNOLOGIES**

**Chapter I General provisions**

§ 1.

1. International Centre for Theory of Quantum Technologies, hereinafter referred to as ICTQT, is a joint research unit of the University of Gdansk and the Institute for Quantum Optics and Quantum Information of the Austrian Academy of Sciences, subordinated to the Rector of the University of Gdansk.
2. The Institute for Quantum Optics and Quantum Information of the Austrian Academy of Sciences, hereinafter referred to as IQOQI-Vienna, shall be the strategic partner of the University of Gdansk, hereinafter referred to as UG, with respect to ICTQT operations.
3. The detailed scope of cooperation between the University of Gdansk and the Institute for Quantum Optics and Quantum Information of the Austrian Academy of Sciences regarding the Centre shall be regulated by international agreement No. 449/2018 of May 16, 2018 concluded between the two institutions.

§ 2.

1. The ICTQT shall operate as an organisational unit within the structure of the UG, established based on s. 31a of the Higher Education Law of 27 July 2005 (Journal of Laws 2016, it.1842, as amended) and § 17(2)(2) of the Statute of the UG of 8 June 2007 (as amended).
2. The ICTQT shall have no legal personality.
3. The partnership shall cover joint introduction, to the UG, and to the ICTQT in particular, of good practice regarding the organisation of work, commercialisation of the research work results, and conducting of research, as well as in delegation of representatives of the strategic partner or the persons it recommends to participate in the International Scientific Committee (hereinafter: ISC), which shall constitute one of the bodies of the Centre.
4. The ICTQT shall use the Polish name: 'Międzynarodowe Centrum Teorii Technologii Kwantowych' and the English name: 'International Centre for Theory of Quantum Technologies'.

§ 3.

1. The ICTQT shall conduct its activities on the premises of the UG including office space, laboratories, and back-up rooms.
2. The ICTQT shall have access to the infrastructure and research equipment of the UG on conditions satisfying the internal regulations of the UG applicable to its organisational units.
3. The financial and administrative services shall be provided to the ICTQT by the UG (central administration) based on internal arrangements.

§ 4.

The ICTQT shall use its own logotype and the logotype of the UG in accordance with the rules in force at the UG, as well as the logotype of the IQOQI-Vienna pursuant to the agreement concluded with the IQOQI-Vienna (and subject always to approval by the IQOQI - Vienna for the context in which its logotype is used).

**Chapter II Aims and forms of activity**

§ 5.

1. The purpose of the ICTQT shall be to conduct scientific research and development works in accordance with the adopted research agenda, in an international academic environment and at the highest academic level, with due regard for high ethical standards, good academic practice in particular, and to disseminate knowledge.
2. The ICTQT activity shall focus on the scientific research in the area of quantum foundations, quantum communication, quantum information and quantum technologies.
3. The scientific priori of the ICTQT is to find new solutions and protocols for basic aspects of fundamental quantum physics, from new non-classical phenomena, measures of non-classicality, structural aspects of quantum theory, theory of quantum measurement, up to theory of open systems and quantum thermodynamics, and bring them into quantum technologies. The ICTQT activity will be focused on a development of the technologies with an emphasis on quantum communication and new computing techniques.
4. Additional goals of the ICTQT is to form a stable environment of cutting edge theoretical quantum research aimed at new basic technologies, and to train young experts in this field as well as to create an innovative center of excellence of a scale of influence beyond the Polish borders, which would directly and continuously collaborate with the IQOQI-Vienna.
5. In the ICTQT formation phase, the research agenda shall be the same as the scope of the International Research Agendas Project (hereinafter: IRA Project), submitted with the Foundation for Polish Science (hereinafter: FPS) under the International Research Agendas programme (hereinafter: IRA programme). The International Scientific Committee (ISC), a body of the ICTQT, shall be responsible for modifying the research agenda.

§ 6.

1. The ICTQT shall pursue the activities referred to in § 5 by implementing projects and research tasks by research teams and, if necessary, by implementing research tasks by individual researchers, in accordance with the adopted research agenda.
2. In particular of the ICTQT activity shall comprise:
  - 1) conducting scientific research or research and development works on a regular basis;
  - 2) comprehensive activities promoting the development of young academic staff;
  - 3) initiating and fostering international academic cooperation;
  - 4) conducting training sessions, courses and workshops, as well as other scientific meetings;
  - 5) publishing results of the research;
  - 6) participating in organisations which group Polish, or international foundations, or other scientific institutions, whose statutory aims are similar to or identical with the aim of the FPS;
  - 7) cooperating with other entities in order to exploit scientific research;

- 8) promoting a work culture which enhances quality of scientific research, including the highest ethical standards in conducting of the research;
  - 9) popularising scientific achievements;
  - 10) contact with industry aimed at implementation of blueprints for quantum technologies, developed by ICTQT;
  - 11) patenting new solutions.
3. The ICTQT should enjoy as much autonomy as possible in making decisions on research, as well as administrative and personnel policy issues.
4. The ICTQT may join the UG in holding doctoral studies with the aim of becoming a unit in which doctoral projects can be implemented under the substantive supervision of ICTQT employees; and if possible also in cooperation with representatives of the strategic partner..

#### § 7.

1. In order to carry out its activities, the ICTQT may establish cooperation with other legal entities, including public and private institutions conducting scientific research with bodies of central and local administration bodies, on the terms and in the manner specified in the relevant acts of law.
2. Under the activities pursued by the ICTQT, its employees may, through the UG, obtain financial resources from national and international sources, on the terms and in the manner specified in the relevant acts of law.

#### § 8.

The ICTQT shall be subject to periodic evaluations by the International Scientific Committee at least every four years.

### **Chapter III The bodies of the Centre**

#### § 9.

The bodies of the Centre shall be follows:

- 1) the Director,
- 2) the International Scientific Committee,
- 3) the Steering Committee.

#### § 10.

1. The Director of ICTQT shall be a scientist of considerable standing in his or her field, demonstrating unquestionable scientific achievement and experience in managing and heading large projects.
2. In accordance with the IRA programme requirements, the first Director of the ICTQT shall be the first applicant. The first Director of ICTQT shall be appointed by the Rector of UG, with the term of office lasting 5 years. The next Director of ICTQT shall be appointed by the Rector of UG based on the recommendations from the ISC, with the term of office lasting 5 years.
3. The Director of ICTQT, including the first Director, can be dismissed by the Rector of the UG based on the recommendations from the ISC.
4. The Director shall simultaneously hold the position of the head of the IRA Project and of a Research Group Leader at the ICTQT. The ICTQT Director may be reappointed for several 5-year terms of office After the laps of his/her term of office , the Director shall continue in his/her

positions of the Research Group Leader at the ICTQT and shall be subject to the regular evaluation cycle conducted at the same time as the evaluation of the other Research Group Leaders.

5. Should Director, including the first Director of ICTQT, be unable to hold his or her position for the entire duration of the term of office, his/her successor shall be selected by the ISC from amongst the heads of the Research Groups of ICTQT.

6. Over the period of financing the IRA Project from the FPS funds, the procedure of appointing the new Director shall follow the principles specified in the competition documentation, which includes the required approval of the selected candidate by the FPS (the new Director shall automatically assume the position of the head of the IRA Project).

7. The Director may propose the appointment of the Deputy Director. The Deputy Director shall be appointed by the Rector of UG on motion by the Director and based on the recommendations from the ISC. At the initial appointment of the ICTQT management, the Deputy Director shall be employed provided the position was envisaged in the IRA Project submitted with the FPS, in accordance with the application submitted.

8. In order to ensure the correct functioning of the ICTQT, on the motion by the Director, organisational units within the ICTQT may be established, including: research groups, teams or offices, in accordance with the regulations in force at the UG.

9. The Director shall be responsible for the correct functioning of the ICTQT in accordance with the regulations in force at the UG, and the case aspects related with financing from IRA Project, in accordance with the rules ensuing from the grant agreement.

In particular, the Director shall be responsible for:

- 1) managing the scientific activity of the ICTQT in accordance with the research agenda adopted,
- 2) making personnel decisions, with due regard for recommendations from the ISC,
- 3) making organisational decisions,
- 4) managing the ICTQT finances and assets, in accordance with the regulations applicable to the organisational units of the UG, and regulations of IRA Project;
- 5) managing the cooperation with the partner organization so that the IQOQI-Vienna can fulfil its obligations.

10. The Rector of the UG employs the researchers at the ICTQT and decides to continue the existing contracts of employment, on the proposal from the Director and with due regard for recommendations formulated by the ISC (including Research Group Leaders and Deputy Director only).

11. The research group leaders and members of research groups shall be employed in accordance with the rules specified in the IRA competition documentation.

12. The Director may propose employment of one Research Group Leader at the ICTQT (who is the second applicant) bypassing the competition procedure. The second applicant shall be employed if it is provided for in the IRA Project submitted with the FPS and provided that the FPS has a positive opinion on the employment of the second applicant during the assessment of the application.

## § 11.

1. The ISC shall constitute the consultative and advisory body of the Rector of the UG and the Director of the ICTQT.

2. ISC shall be independent of the Senate of UG and other collegial bodies of the UG or the IQOQI-Vienna.

3. The ISC shall be composed of at least 9 members: scientists of recognised international standing, working in a field similar to the ICTQT research agenda, plus entrepreneurs experienced in research and development work or in implementing new technologies, if this facilitates the attainment of the goal of the IRA project pursued by the ICTQT.
4. Scientists shall represent at least half of the members of the International Scientific Committee; similarly, at least half of the members of the ISC shall be employees of international research units, with at least two ISC members proposed by the IQOQI-Vienna.
5. Members of the ISC shall be appointed by the ICTQT Steering Committee.
6. Members of the ISC shall be appointed for a five-year joint term.
7. Members of the ISC may be dismissed before the end of the term of office by the ICTQT Steering Committee.
8. During the ISC's term of office, additional members of the ISC may be appointed. First term of a new ISC member ends with the end of the joint term of the current ISC.
9. No more than half of ISC members may be reappointed for the following term upon the lapse of the first term of office. Members of the ISC cannot hold their membership for more than two terms of office.
10. At its first session, the ISC shall appoint the Chairperson, the Vice-Chairperson and Secretary.
11. Meetings of the ISC shall be convened and chaired by the Chairperson or by the Vice-Chairperson in his or her stead.
12. The responsibilities of the ISC shall include:
  - 1) Periodic evaluation of the research agenda and introducing any necessary changes thereto, for example to reflect the global progress in scientific research in the given research area. The ISC shall conduct verification at least every 4 years.
  - 2) Evaluation of the works performed by all Research Group Leaders and their teams. The ISC shall hold evaluation at least every 4 years.
  - 3) Formulation of opinions on the decision to employ an individual researcher or the winner of the European Research Council competition with the ICTQT.
  - 4) Announcement and holding of the competition for the position of the Director, the Deputy Director, Leaders of Research Groups of the ICTQT (not applicable to the appointment of the first Director in the case the funding from the IRA programme is obtained, this does not apply to the employment of the second applicant who will be the Research Group Leader in the case the funding from the IRA programme is obtained and provided that the FPS's positive opinion regarding its employment is obtained) by:
    - a) approving rules and criteria of competitions developed by the ICTQT,
    - b) approving the requirements applicable to the candidates for the Director, the Deputy Director, and Research Group Leaders,
    - c) assessing the applications and issuing the recommendation as to the employment of the most suitable candidate or candidates.
13. During the implementation of the IRA project, the ICTQT shall provide the FPS representative with the opportunity to participate in the ISC meetings and shall notify FPS of any changes in the composition of the ISC at the end of its term of office, and as the case may be in the course of it.
14. ISC holds at least one meeting per year. Members of ISC can have meeting via teleconferencing facilities.
15. Resolutions are adopted by the ISC via simple majority voting with participation of more than half of its members. In the case of a tie, the vote of the Chairperson prevails. Resolutions can also

be adopted by the ISC via full electronic voting by e-mail addresses indicated by all ISC members at the first meeting.

16. Decision to change or update the research agenda of the Unit and to issue recommendations for the position of the Director of the ICTQT and Deputy Director needs to be taken with a quorum of two-thirds of the members of the ISC.

#### § 12.

1. The ICTQT Steering Committee shall comprise two representatives of the University of Gdansk and two representatives of the IQOQI - Vienna.
2. Representatives of UG shall be appointed by the Rector of the UG in consultation with the ICTQT Director.
3. IQOQI-Vienna representatives shall be appointed by the IQOQI-Vienna Director in consultation with the ICTQT Director.
4. Members of the ICTQT Steering Committee shall be appointed for a five-year joint term.
5. Members of the ICTQT Steering Committee may resign from their function before the end of the term of office. Then new members of the ICTQT Steering Committee shall be appointed in their place. Their term of office will end with the end of the term of the currently operating ICTQT' Steering Committee to which they have been appointed.
6. ICTQT' Steering Committee members cannot hold their membership for more than two terms of office.
7. At its first session, the ICTQT' Steering Committee shall appoint the Chairperson, the Vice-Chairperson and Secretary.
8. Meetings of the ICTQT' Steering Committee shall be convened and chaired by the Chairperson or by the Vice-Chairperson in his or her stead.
9. The responsibilities of the ICTQT Steering Committee shall include:
  - 1) assessment of applications regarding the appointment of ISC members,
  - 2) appointment and dismissal of ISC members.
10. The ICTQT Steering Committee hold meetings as needed. They can be in a form of teleconferences.
11. Resolutions shall be adopted by the ICTQT Steering Committee via voting with a simple majority of votes with the participation of at least three members of the body. In the event of a split vote, the Chairperson of the ICTQT Steering Committee shall have a casting vote. Resolutions can also be made by the ISC via an electronic voting, with the use of e-mail addresses indicated by all ISC members to serve this purpose (at the first meeting).

### **Chapter IV Assets and income of the Centre**

#### § 13.

1. Management of the ICTQT assets shall be conducted in accordance with the regulations at the UG.
2. The ICTQT shall use the premises and asset components of the UG.
3. The Director of the ICTQT shall be responsible for conducting appropriate financial and asset management of the ICTQT.
4. As an organizational unit of the UG, the ICTQT shall be funded from the IRA Project over the period of its implementation, in accordance with the provisions of the FPS' decision awarding the grant. The ICTQT activities may be co-financed from external sources.

5. The amount of overheads to cover indirect costs connected with the ICTQT revenues shall be determined by the Rector of the UG, after negotiations with the Director of ICTQT.
6. All income generated by the ICTQT being a unit of the UG on implementation of its tasks shall be owned by the UG. In the case of income generated in cooperation with other units, the ownership issues shall be regulated in separate agreements between the UG and those entities.
7. The UG shall not be authorised to provide state aid under the IRA Project. The implementation of the IRA Project shall be connected exclusively with the UG's own activity and shall be pursued in the areas in which the UG does not pursue any commercial activities.
8. Following the expiry of the financing period and the period of stability of IRA Project related to the financing by the FPS, all matters relating to the ICTQT intellectual property rights shall be dealt with in accordance with the rules applicable to the organisational units of the UG.

### **Chapter V Closing provisions**

#### § 14.

1. These Rules may be amended by the Rector of the UG upon request the Director, consulted with the International Scientific Committee. An amendment shall require prior review by the Senate.
2. In case the ICTQT discontinue its activities, the Rector of the UG shall, on motion from the Director and in consultation with the International Scientific Committee, distribute the accumulated assets of the ICTQT.