

Memorandum of Understanding between the International Centre for Theoretical Physics – South American Institute for Fundamental Research (ICTP-SAIFR) and Perimeter Institute (Perimeter)

The purpose of this Memorandum of Understanding is to encourage scientific exchange visits and collaborations between researchers at ICTP-SAIFR and Perimeter. The exchange programs and joint projects described in this document are in accordance with the intentions of the Cooperation Agreement signed by São Paulo State University (UNESP) and Perimeter to promote progress in all research areas of common interest and to build academic ties between the two institutions.

It is agreed that:

1A Postdocs and faculty researchers at both institutions will be encouraged to spend extended visits of two to four weeks at the other institution.

1B In order to qualify for such a visit, a candidate must submit a request at least two months prior to the visit. The request should explain the benefit of the proposed visit and contain a brief description of the research to be undertaken during the visit.

1C Each institution will appoint for the purposes of this collaboration an exchange visit coordinator who will receive requests for visits under this program and ensure that they are dealt with in a timely manner.

2A Every year, a one-week school *Journeys on Theoretical Physics* will take place at ICTP-SAIFR involving two lecturers from ICTP-SAIFR/IFT-UNESP and two lecturers from PI. The flights and local expenses of the PI researchers will be covered by ICTP-SAIFR.

2B Through the school *Journeys on Theoretical Physics*, the top undergraduate students from all of Latin America will be identified and invited to participate in a joint Master's program between ICTP-SAIFR/IFT-UNESP and PI. At PI, these students will take part in the one-year Perimeter Scholars International Master's program. At ICTP-SAIFR/IFT-UNESP, the students will complement this year with 6 months before and 6 months after where they will take courses and use the extra time to bring to fruition research projects initiated at PI or at ICTP-SAIFR.

2C PI and SAIFR will look for new initiatives at the PhD level such as joint schools for PhD students and/or prospective PhD students, which will be organized in either institute or jointly in a hybrid format.

3A Perimeter Institute will support the economy class travel costs of Perimeter researchers coming to ICTP-SAIFR, and ICTP-SAIFR will support the economy class travel costs of ICTP-SAIFR researchers coming to Perimeter. Visits related to research on the subject of quantum field theory broadly defined will be covered by ICTP-SAIFR

through an excellence research fellowship awarded by Pedro Vieira for as long as that fellowship is renewed.

3B The host institution will provide office space and computing facilities and will cover local costs in the form of airport transfers, accommodation and living expenses. The allotted per diem for living expenses will be determined by the host institution.

3C When the research visit results in one or more publications, the host institution should be acknowledged in the paper and notified when the publications are submitted and when they are published.

- 4 Both institutions may, from time to time, collaborate on the organization of workshops and schools on subjects of common interest. Scientists of both institutions are encouraged to propose such activities, with funding normally provided on an equal basis.
- 5 This agreement is valid for an initial period of five years, whereupon its terms will be revisited in the light of experience, with the expectation that it be renewed on a mutually agreeable basis, for a further five years at a time. Every 2 years, Pedro Vieira will give a presentation to report on the status of the partnership.

In addition to the above, Perimeter Institute is willing to assist in the recruitment of world-class faculty to ICTP-SAIFR by offering a visiting appointment at Perimeter as an incentive to new hires. Each such appointment would require the approval of Perimeter Institute and would support local costs and a per diem for a period of one month per year for three years. These positions would be named Perimeter-SAIFR visiting fellows and would be part of the already existing visiting fellow program at PI.



Nathan Berkovits
Director, ICTP-SAIFR

Date: February 17, 2022



Rob Myers,
Director, PI

Date: February 16, 2022

**Memorandum of Understanding between the International
Centre for Theoretical Physics – South American Institute for
Fundamental Research (ICTP-SAI FR) and the Perimeter Institute for
Theoretical Physics (Perimeter)**

The purpose of this agreement is to encourage scientific exchange visits and collaborations between researchers at ICTP-SAI FR and Perimeter in order to promote progress in all research areas of common interest and to build academic ties between the two institutions.

It is agreed that:

1. Postdocs and faculty researchers at both institutions will be encouraged to spend extended visits of up to three months at the other institution.
2. In order to qualify for such a visit, a candidate must submit a request at least two months prior to the visit. The request should explain the benefit of the proposed visit and contain a brief description of the research to be undertaken during the visit.
3. Each institution will appoint for the purposes of this collaboration an exchange visit coordinator who will receive requests for visits under this program and ensure that they are dealt with in a timely manner. Exchange visit coordinators will be expected to form an assessment of the most promising fields where collaborations could be encouraged.
4. Perimeter Institute will support the economy class travel costs of Perimeter researchers coming to ICTP-SAI FR, and ICTP-SAI FR will support the economy class travel costs of ICTP researchers coming to Perimeter.
5. The host institution will provide office space and computing facilities and will cover local costs in the form of airport transfers, accommodation and living expenses. The allotted per diem for living expenses will be at the discretion of the host institution.
6. Upon completion of the visit, a short report will be provided by the visiting researcher to his or her home institution explaining the research outcomes of the visit. It will be the responsibility of each institution to ensure that satisfactory reports from its own members are submitted.
7. Normally, a maximum of one such visit will be supported for each postdoctoral or faculty researcher per academic year.
8. A maximum total of 26 person-weeks of exchange will be supported by each institution each academic year.
9. Where the research visit results in one or more publications, the host institution should be acknowledged in the paper and notified when the publications are submitted and when they are published.

10. Both institutions may, from time to time, collaborate on the organisation of workshops and schools on subjects of common interest. Scientists of both institutions are encouraged to propose such activities, with funding normally provided on an equal basis.
11. Masters and PhD students from both institutions will be encouraged to participate in schools at the partner institution, with the home institution paying travel costs and the host institution paying local expenses. A maximum of 10 student visits in each direction will be supported per year.
12. It is proposed that this agreement will be in effect until September 30, 2020, whereupon its terms will be revisited in the light of experience.

In addition to the above, Perimeter Institute is willing to assist in the recruitment of world-class faculty to ICTP-SAIFR by offering a visiting appointment at Perimeter as an incentive to new hires. Each such appointment would require the approval of Perimeter Institute and would support local costs and a per diem for a period of one month per year for three years in the first instance.



Nathan Berkovits
Director, ICTP-SAIFR

Date: March 11, 2019



Rob Myers
Director, PI

Date: March 7, 2019

Memorandum of Understanding between the International Centre for Theoretical Physics – South American Institute for Fundamental Research (ICTP-SAIFR) and the Perimeter Institute for Theoretical Physics (Perimeter)

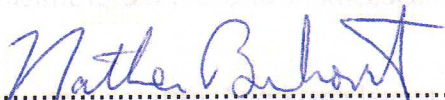
The purpose of this agreement is to encourage scientific exchange visits and collaborations between researchers at ICTP-SAIFR and Perimeter in order to promote progress in all research areas of common interest and to build academic ties between the two institutions.

It is agreed that:


1. Postdocs and faculty researchers at both institutions will be encouraged to spend extended visits of up to three months at the other institution.
2. In order to qualify for such a visit, a candidate must submit a request at least two months prior to the visit. The request should explain the benefit of the proposed visit and contain a brief description of the research to be undertaken during the visit.
3. Each institution will appoint for the purposes of this collaboration an exchange visit coordinator who will receive requests for visits under this program and ensure that they are dealt with in a timely manner. Exchange visit coordinators will be expected to visit the partner centre in the first year and to form an assessment of the most promising fields where collaborations could be encouraged.
4. Perimeter Institute will support the economy class travel costs of Perimeter researchers coming to ICTP-SAIFR, and ICTP-SAIFR will support the economy class travel costs of ICTP researchers coming to Perimeter.
5. The host institution will provide office space and computing facilities and will cover local costs in the form of airport transfers, accommodation and living expenses. The allotted per diem for living expenses will be at the discretion of the host institution.
6. Upon completion of the visit, a short report will be provided by the visiting researcher to his or her home institution explaining the research outcomes of the visit. It will be the responsibility of each institution to ensure that satisfactory reports from its own members are submitted.
7. Normally, a maximum of one such visit will be supported for each postdoctoral or faculty researcher per academic year.
8. A maximum total of 26 person-weeks of exchange will be supported by each institution each academic year.

9. Where the research visit results in one or more publications, the host institution should be acknowledged in the paper and notified when the publications are submitted and when they are published.
10. Both institutions may, from time to time, collaborate on the organisation of workshops and schools on subjects of common interest. Scientists of both institutions are encouraged to propose such activities, with funding normally provided on an equal basis.
11. Masters and PhD students from both institutions will be encouraged to participate in schools at the partner institution, with the home institution paying travel costs and the host institution paying local expenses. A maximum of 10 student visits in each direction will be supported per year.
12. It is proposed that this agreement will be in effect for a period of four years from the date of signing, whereupon its terms will be revisited in the light of experience.

In addition to the above, Perimeter Institute is willing to assist in the recruitment of world-class faculty to ICTP-SAIFR by offering a visiting appointment at Perimeter as an incentive to new hires. Each such appointment would require the approval of Perimeter Institute and would support local costs and a per diem for a period of one month per year for three years in the first instance.


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Nathan Berkovits
Director, ICTP-SAIFR

Date: April 23, 2015


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Rob Myers
Acting Director, PI

Date: April 6, 2015

Memorandum of Understanding between the International Centre for Theoretical Physics – South American Institute for Fundamental Research (ICTP-SAIFR) and the Perimeter Institute for Theoretical Physics (Perimeter)

The purpose of this agreement is to encourage scientific exchange visits and collaborations between researchers at ICTP-SAIFR and Perimeter in order to promote progress in all research areas of common interest and to build academic ties between the two institutions.

It is agreed that:

1. Postdocs and faculty researchers at both institutions will be encouraged to spend extended visits of two to four weeks at the other institution.
2. In order to qualify for such a visit, a candidate must submit a request at least two months prior to the visit. The request should explain the benefit of the proposed visit and contain a brief description of the research to be undertaken during the visit.
3. Each institution will appoint for the purposes of this collaboration an exchange visit coordinator who will receive requests for visits under this program and ensure that they are dealt with in a timely manner. Exchange visit coordinators will be expected to visit the partner centre in the first year and to form an assessment of the most promising fields where collaborations could be encouraged.
4. Perimeter Institute will support the economy class travel costs of Perimeter researchers coming to ICTP-SAIFR, and ICTP-SAIFR will support the economy class travel costs of ICTP researchers coming to Perimeter.
5. The host institution will provide office space and computing facilities and will cover local costs in the form of airport transfers, accommodation and living expenses. The allotted per diem for living expenses will be at the discretion of the host institution.
6. Upon completion of the visit, a short report will be provided by the visiting researcher to his or her home institution explaining the research outcomes of the visit. It will be the responsibility of each institution to ensure that satisfactory reports from its own members are submitted.
7. Normally, a maximum of one such visit will be supported for each postdoctoral or faculty researcher per academic year.

8. A maximum total of twelve (12) person-weeks of exchange will be supported by each institution each academic year.
9. Where the research visit results in one or more publications, the host institution should be acknowledged in the paper and notified when the publications are submitted and when they are published.
10. Both institutions may, from time to time, collaborate on the organisation of workshops and schools on subjects of common interest. Scientists of both institutions are encouraged to propose such activities, with funding normally provided on an equal basis.
11. Masters and PhD students from both institutions will be encouraged to participate in schools at the partner institution, with the home institution paying travel costs and the host institution paying local expenses. A maximum of 10 student visits in each direction will be supported per year.
12. This agreement is valid for an initial period of one year, whereupon its terms will be revisited in the light of experience, with the expectation that it be renewed on a mutually agreeable basis, for a further two years at a time.

In addition to the above, Perimeter Institute is willing to assist in the recruitment of world-class faculty to ICTP-SAIFR by offering a visiting appointment at Perimeter as an incentive to new hires. Each such appointment would require the approval of Perimeter Institute and would support local costs and a per diem for a period of one month per year for three years in the first instance.



Nathan Berkovits
Acting Director, ICTP-SAIFR

Date: April 4, 2012



Neil Turok
Director, PI

Date: April 11, 2012