

IOP Publishing

Read & Publish Licence

THIS LICENCE IS AGREED BETWEEN IOP PUBLISHING LIMITED of Temple Circus, Temple Way, Bristol BS1 6HG England ("IOP") and National University of Ireland Maynooth, Maynooth University, who acts as non-exclusive agent for and on behalf of Members (as listed in Schedule 3) of the IReL Consortium, Maynooth, Co. Kildare, Ireland ("the Consortium").

1. IOP agrees that the Members may give Authorised Users (defined in standard condition 1) electronic access to the journals listed in Schedule 2 (the "Journals"), as part of IOPscience extra (the "Service"), subject to these terms and conditions.
2. The Members will access the Journals through the IP addresses set out in Schedule 3 or through IP addresses previously supplied to IOP (the "IP addresses"). The Members shall notify IOP in writing if the IP addresses previously supplied to IOP are now inaccurate or incomplete and shall also notify IOP in writing if, at any time during the term of this Licence, there are any changes to the IP addresses.
3. This Licence is subject to the IOP Standard Terms and Conditions which are set out in Schedule
4. Any amendments to these terms and conditions must be in writing and signed by authorised signatories of both parties.
5. This Licence shall be for the initial term which is set out in Schedule 3.
6. Neither the Consortium nor any of the Members shall assign or transfer its right to access the Service to any other institution, organisation or person.
7. These terms and conditions apply only to electronic access by the Members to the Service. Separate licence agreements are available for IOP's other products and services. For the avoidance of doubt, where the Consortium or the Members have previously entered into a separate agreement with IOP, including, but not limited to, an archive agreement, and that agreement is still in force, the Consortium's and/or the Members' rights and obligations under that agreement which relate to that other service are unaffected by these terms and conditions.
8. IOP's online journals and their content, including abstracts, are either owned by IOP or IOP has the right to make them available and are subject to all applicable copyright, database protection and other rights of copyright owners and publishers under the laws of England and other countries. Authorised Users shall claim no ownership by reason of their use of or access to the Service. ALL RIGHTS RESERVED.
9. This Licence is governed by and construed in accordance with the laws of England and Wales and the parties submit to the exclusive jurisdiction of the English Courts. The Consortium shall not be bound by this paragraph to the extent that compliance would

violate any existing law, regulation, by-laws or articles of incorporation or other governing instrument.

10. This Licence covers access for the Consortium and its Members to the Journals in Schedule 2 whilst also enabling the Members' researchers to publish articles on a gold open access basis, as defined in Schedule 5, in the journals listed in Schedule 6.

SCHEDULE 1: IOP STANDARD TERMS AND CONDITIONS

Authorised Users

- 1 In these terms and conditions, the term “Authorised Users” shall mean:
 - 1.1 Intentionally deleted.
 - 1.2 (if a Member is an educational institution) its employees, faculty (permanent, temporary and visiting), students officially affiliated with the Institution, persons with legal access to the library's facilities using one of the IP addresses, and contract staff (permanent or temporary). Authorised Users include persons affiliated with remote sites or campuses of the Member in the same country as the Member and/or persons affiliated with the Member who are studying overseas at sites or campuses of a third party institution on a temporary basis.

For the avoidance of doubt, walk in users shall only be entitled to access the Service whilst on the Member’s premises and shall lose this access upon departure. In addition, such persons shall be excluded from all remote access privileges.

Access to the Service

- 2 Where a Member wishes to allow the Authorised Users to access the Service from terminals or work stations at locations other than the site addresses supplied to IOP, this may be done via public access, caching and proxy servers, or some other recognized authentication system such as Shibboleth, provided that the Authorised Users access the Service through the IP addresses and provided further that the Member has adequate security measures in place to ensure that only Authorised Users access the Service via the applicable method.
- 3 Access extends only to Authorised Users individually and may not be transferred or extended to others. The Consortium and the Members shall take all reasonable measures to ensure that only Authorised Users can use the Service and shall ensure that Authorised Users are made aware of and understand the restrictions and prohibitions on use set out in these terms and conditions and that they abide by them. The Consortium and the Members shall also exercise vigilance and be responsible for all display and access controls, including security measures, necessary to ensure that the Service is only accessible by Authorised Users. The Consortium and the Members shall make every effort to enforce these terms and conditions on receiving information that reasonably indicates that they are being violated.
- 4 Authorised Users may access, download, store, search and print hard copy of text. Copying must be limited to making a single printed copy or electronic copies of a reasonable number of individual articles, chapters or other similar items.
- 5 No text accessed via the Service may be made available to non-Authorised Users, either for commercial reward or free of charge, except that for inter-library loan purposes a single paper copy of an electronic original may be made and sent non-digitally to a library in the same country as the Member under fair dealing/use exemptions. In addition, for inter-library loan purposes a Member may make a single paper copy of an

electronic original available to a library in the same country by secure transmission using Ariel or ILLiad (or their equivalent) whereby that electronic file is deleted immediately after printing. Such supply must be for the purpose of research or private study and not for commercial use or onward transmission or distribution. Upon request, the Consortium shall provide IOP with a quarterly report on the number of electronic interlibrary loans made by the Members. In the event of abuse, IOP may withdraw the right described in this clause.

- 6 Intentionally deleted.
- 7 Access is granted to Authorised Users of educational institutions solely for private study or research for a non-commercial purpose by Authorised Users. Such Authorised Users may use the Service for educational resources, such as "course packs", made available solely to Authorised Users, provided that electronic copies included in such educational resources are removed or deleted at the end of the semester or term in which the relevant course ends. Such Authorised Users may also make brief quotations from the content of the Journals, with the customary acknowledgement of the source, and copy and transmit content from individual online articles in "person-to-person" and non-systematic scholarly exchanges of information.
- 8 The Members and Authorised Users may only use this online access in a way that does not breach the laws of the country in which they are accessing the Service.
- 9 Altering, recompiling, systematic or programmatic copying, reselling, redistributing, supplying, publishing or republishing (beyond the brief quotations permitted above) of any Journal text, output, search results or other information from any part of the Service, including, without limitation, copyright, proprietary or other legal notices, in any form or medium is prohibited. Downloading an entire issue of a Journal; systematic downloading, service bureau redistribution services; printing for a for-fee-service purpose; document delivery services and/or the systematic making of print or electronic copies for transmission to non-Authorised Users (beyond that permitted above) are prohibited.

Termination

- 10 Access to the Service by a Member shall terminate immediately if these terms and conditions are materially breached and such breach is not remedied within 30 days of the Member receiving a written request to remedy such breach. IOP will write to its contact at the Member to notify them and to alert them to the fact that access to the Service will be terminated by IOP if the breach is not remedied. IOP shall have the right to terminate that access if the breach is not remedied to its satisfaction within 30 days of such notification being sent to the relevant Member. Consequential amendments as are necessitated by such termination will be made to this Licence following such notice. In particular Schedule 3 shall be deemed amended accordingly.
- 11 In addition the Consortium may give IOP at least 90 days' written notice prior to the end of a calendar year of its intention to terminate this Licence at the end of that year provided the Consortium confirms in such notice that the reason for termination is the withdrawal or cessation of funding (i.e. a material reduction of the acquisition budget of the library) in respect of the Fees.

Continued Access to Content

- 12 Upon termination of access to the Service, where the Member is not in breach of any of the terms and conditions of this Licence and has paid all its fees in full, a Member(s) will be entitled to have continued access to the issues of the Journals published in the calendar year in which it became a Member under this Licence and, where it remains a Member under this Licence for subsequent full calendar years, the Member(s) will have continued access to the issues of the Journals under this Licence which were published in those full calendar years (the "Available Content"). All other access shall terminate, including, but not limited to, access to any publications included within the Service from time to time which are not listed as one of the Journals. The Available Content will be made available via a web site on payment of an annual maintenance fee and for so long as IOP provides electronic access to that content via a web site. If access via a web site is no longer available at any time, the Available Content will be made available on disk or some other form of electronic media. If, at any time, IOP ceases to publish or distribute any of the Available Content then it will use its reasonable endeavours to negotiate the right for the Member(s) to continue to access it in accordance with these terms and conditions.

Fees

- 13 The fee payable by the Members for the Initial Term shall be as specified in Schedule 3. All fees due under this Licence shall be payable by the Members within 30 days of the date of invoice. Whilst any of the journals published by IOP are part of SCOAP 3 (the sponsoring Consortium for Open Access Publishing in Particle Physics) then IOP will make appropriate adjustments to the licence fee to reflect this.
- 14 IOP will notify the Consortium and the Members, in writing and in advance, with details of the fees payable for subsequent years. The Consortium and the Members acknowledge that the fees for each of the tiers shall increase per annum as set out in Schedule 3. Where IOP starts to publish an additional journal on behalf of a third party, that journal shall be added to the Journals where agreed in writing by the parties and for the agreed fee. Where IOP launches a new journal during the term of this Licence then that journal shall be free to access by the Members outside of this Licence during the initial term set out in Schedule 3 only. At the end of the initial term, the parties will jointly discuss the usage and value of those titles to the Consortium and the Members when agreeing the licence fee for any new or renewed licence. The Consortium may add new Members to this Licence at a cost to be agreed by the parties, depending on the appropriate tier for that member, and, on addition of such new Member(s), Schedule 3 shall be deemed to be amended accordingly. IOP shall provide to the Consortium or the Member (as appropriate) an invoice in respect of any additional fees payable under this Licence and such additional fees shall be paid to IOP within 30 days of the date of the invoice.
- 15 All sums specified are exclusive of sales taxes (where applicable) which shall be paid by the Members on presentation of an appropriate tax invoice or other appropriate claims document. IOP will do all it reasonably can to support the Consortium and the Members regarding an application by them for tax exemption if necessary and will provide all required documents wherever reasonably practicable.

Withdrawal of the Journals

- 16 IOP reserves the right at any time to withdraw any of the Journal(s) (or part) from the Service if it no longer retains the right to publish or ceases, for whatever reason, to publish or to distribute such Journal(s) or if, in its sole discretion, it believes that such Journal(s) contains any material which infringes copyright or is defamatory, obscene, unlawful or otherwise objectionable.
- 17 If any Journal(s) is withdrawn, IOP will give the Consortium written notice and, where applicable, will substitute it with another journal which is not currently included as part of the Journals. If it does not substitute the Journal with another journal then IOP will reduce the fee for that calendar year by a sum equivalent to the contribution of the withdrawn content to the total fee, pro-rated. IOP shall be entitled to off-set any reduction owing to the Consortium or any of the Members against any amounts owed to IOP by the Consortium or any of the Members under any agreement between the parties.

Availability of the Journals

- 18 IOP will use its reasonable endeavours to make the Journals available on a 24 hour basis, subject to IOP's right to suspend access in order to carry out routine maintenance, repairs, testing, reconfigurations or upgrades and unavailability caused by circumstances beyond IOP's reasonable control including, but not limited to, downtime relating to telecommunications lines or any Internet nodes or facilities. If access is suspended or interrupted, or fault or defect occurs which prevents access, IOP's liability shall be limited to using all commercially reasonable efforts to restore access as soon as is reasonably practicable. IOP shall have no other liability in this respect. IOP shall not be liable for any delay, downtime, transmission error, software or equipment incompatibility, force majeure or any failure of performance beyond its reasonable control.
- 19 IOP reserves the right to suspend access for a particular Member(s) to the Journals on detecting a breach of these terms and conditions but will not do so without notifying the relevant Member(s) in advance.

Warranties and Exclusions of Liability

- 20 IOP WARRANTS THAT IT IS ENTITLED TO GRANT THE LICENCES IN THESE TERMS AND CONDITIONS AND THAT, TO THE BEST OF ITS KNOWLEDGE AND BELIEF, THE JOURNALS USED IN ACCORDANCE WITH THE TERMS OF THIS LICENCE, DO NOT INFRINGE THE COPYRIGHT OR ANY OTHER PROPRIETARY OR INTELLECTUAL PROPERTY RIGHTS OF ANY THIRD PARTY.
- 21 IOP WILL TAKE REASONABLE CARE TO ENSURE THAT THE JOURNALS ARE COMPLETE, ACCURATE AND ERROR FREE BUT IOP DOES NOT WARRANT THEIR COMPLETENESS OR ACCURACY AND DOES NOT WARRANT THAT THE MEMBERS' ACCESS TO THE SERVICE WILL BE UNINTERRUPTED OR ERROR FREE OR THAT THE RESULTS OBTAINED WILL BE USEFUL OR WILL SATISFY INSTITUTIONAL REQUIREMENTS.

- 22 OTHER THAN AS SET OUT ABOVE, IOP MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE SERVICE, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF QUALITY, ORIGINALITY, SUITABILITY, SEARCHABILITY, OPERATION, PERFORMANCE, COMPATIBILITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
- 23 NEITHER THE MEMBERS NOR IOP SHALL BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, SPECIAL OR OTHER DAMAGES ARISING OUT OF, OR IN CONNECTION WITH, THIS LICENCE AND/OR USE OF THE SERVICE, INCLUDING, WITHOUT LIMITATION, FOR LOSS OF PROFIT, LOSS OF REVENUE, LOSS OF CONTRACTS, BUSINESS INTERRUPTION OR LOSS OF DATA.
- 24 IN NO EVENT SHALL THE TOTAL AGGREGATE LIABILITY OF IOP OR THE MEMBERS FOR ANY CLAIMS, LOSSES OR DAMAGES ARISING OUT OF A BREACH OR TERMINATION OF ACCESS TO THE SERVICE, WHETHER IN CONTRACT, TORT OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, DUE TO NEGLIGENCE, EXCEED THE TOTAL AMOUNT PAID BY THE CONSORTIUM AND/OR THE MEMBERS TO IOP FOR THE SERVICE DURING THE YEAR IN WHICH SUCH CLAIM, LOSS OR DAMAGE OCCURRED, EVEN IF THE OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH POTENTIAL CLAIM, LOSS OR DAMAGE.
- 25 THE FOREGOING LIMITATION OF LIABILITY AND EXCLUSION OF CERTAIN DAMAGES SHALL APPLY REGARDLESS OF THE SUCCESS OR EFFECTIVENESS OF OTHER REMEDIES.
- 26 REGARDLESS OF THE CAUSE OR FORM OF ACTION, NEITHER THE CONSORTIUM NOR THE MEMBERS MAY BRING ANY ACTION ARISING FROM THESE TERMS AND CONDITIONS MORE THAN SIX CALENDAR MONTHS AFTER THE CAUSE OF ACTION AROSE.
- 27 EACH OF THE MEMBERS ASSUMES SOLE RESPONSIBILITY FOR ALL USE OF THE SERVICE THROUGH ITS IP ADDRESSES.
- 28 IOP USES ALL REASONABLE ENDEAVOURS TO INCLUDE ALL RESEARCH MATERIAL FORMING PART OF THE PRODUCTS IN THE ARCHIVE SERVICE BUT DUE TO THE AGE, RARITY AND UNAVAILABILITY OF CERTAIN MATERIAL, IOP ACCEPTS NO RESPONSIBILITY FOR THE COMPLETENESS OF THE MATERIAL AND MAKES NO REPRESENTATION OR WARRANTY IN THIS REGARD.
- 29 IOP CONDUCTS REASONABLE QUALITY CHECKING AS PART OF THE PRODUCTION PROCESS OF THE ARCHIVE SERVICE. THIS CHECKING ENCOMPASSES ACCURACY AND COMPLETENESS. NO CHECKING ABOVE AND BEYOND THE CHECKING WHICH FORMS PART OF THE PRODUCTION PROCESS HAS BEEN CARRIED OUT. CONSEQUENTLY, IOP ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE MATERIAL LICENSED AND MAKES NO WARRANTY OR REPRESENTATION IN THIS REGARD.

General

- 30 Failure to enforce any provision on any one occasion will not affect a party's right to enforce another provision or the same provision on another occasion. These terms and conditions constitute the entire agreement between the parties relating to the Service

and supersede any prior communication between them with respect to the subject matter hereof. This is not intended to exclude any liability that either party may have for fraud.

- 31 Where, at the time of agreeing to these terms and conditions, the Members have existing subscriptions to print journals published by IOP and included within the Service, they may be entitled to renew those print subscriptions for a deep discount rate of 90% of the full rate print subscription cost whilst they have access to the Service.
- 32 The liability of the Consortium and the Members under this Licence is several.
- 33 Any notice served by a party to this Licence may be sent by air mail, courier or by facsimile transmission to the address set out in Schedule 3 and, if so sent, shall be deemed to have been served, in respect of airmail or courier, ten working days after the date of posting and, in respect of facsimile transmission, at the time of such transmission (if on a working day) or, if not so received, 10am on the next working day. Notices sent to a Member by IOP relating to this Licence will be copied to the Consortium.
- 34 Nothing in this Licence shall create or be deemed to create a partnership or the relationship of principal and agent between the parties and the Consortium and the Members shall have no right or authority to bind or to make any representation or warranty on behalf of IOP.
- 35 The failure of any party to enforce any provision on one occasion shall not affect its right to enforce another provision or the same provision on another occasion.
- 36 If any provision of this Licence is void or unenforceable, or renders this Licence or any part of it void or unenforceable, then that provision shall be severable from the remainder of this Licence which shall continue in force and be construed as if such provision had never been contained.
- 37 Where, during the term of this Licence, a Member merges with another institution it shall be entitled to add that institution's sites to this Licence provided that, where that other institution is an existing customer of IOP, that institution maintains all of its then current subscriptions with IOP (whether for print and/or electronic products and services) or, where that institution wishes to cancel any or all of its existing subscriptions, going forward, the cost of those cancelled subscription(s) is added to the then current Licence Fee payable under this Licence.
- 38 Save where disclosure is required by the Customer's governing law or constitution, the Customer shall keep confidential the fees and shall not disclose the same to any third party. This Licence shall be made available and registered in the ESAC Transformative Agreement Registry ("ESAC") thirty ("30") days after signing. The version of this Licence made available on ESAC shall include 'headline' costs, conditions and services, unless specified by either party. Communications such as emails and documents shared by the parties relating to this Licence shall remain confidential between the parties.

- 39 The Consortium warrants that it is the duly authorized agent and representative of the Members for the purpose of this Licence and has the authority to sign this Licence on their behalf.
- 40 Where an article in a Journal is published on a gold open access basis (i.e. after payment of the applicable IOP article publication charge) any person may post it anywhere they choose immediately under the terms of applicable Creative Commons licence referred to on that article. Where an article in an IOP owned journal is published on a subscription basis, the accepted manuscript version of an article can be posted in accordance with the terms of IOP's applicable author rights policy, currently available at <https://publishingsupport.iopscience.iop.org/author-rights-policies/> For articles published on a subscription basis, posting the final published version is not permitted under any circumstances.
- 41 The Members will be permitted to carry out text and data mining of the Journals, in accordance with the terms set out in Schedule 4.
- 42 Where the Consortium provides Personal Data (as defined in the Data Protection Act 2018 and any subsequent legislation or regulations) to IOP, the Consortium acknowledges that such Personal Data may be processed:
- 42.1 for the administration of this Licence;
- 42.2 for the provision of services in connection with this Licence, including, but not limited to, creation of the Consortium's online accounts and exchange of customer service communications; and/or
- 42.3 as otherwise stated in IOP's Privacy Policy from time to time.
- 43 IOP will support the archiving of the Journals to ensure that they are preserved for future scholarship in at least one of the following archiving solutions: Portico, CLOCKSS or LOCKSS, and IOP will inform the Consortium and the Members in which of the archiving solutions the Journals may be found. Subject to the Members having a contractual arrangement with one of these companies, and paying any fees payable to them, they will receive continued access to the Available Content in cases set out in those agreements.

SCHEDULE 2: JOURNALS INCLUDED IN THIS LICENCE

The Journals included in this Licence in 2021 are as follows:

| Titles | E-ISSN | Start year | End Year |
|--|------------------------------------|-----------------------------|-----------------------------|
| 2D Materials | 2053-1583 | 2014 | 2021 |
| Advances in Natural Sciences: Nanoscience and Nanotechnology | 2043-6262 | 2019 | 2021 |
| Applied Physics Express | 1882-0786 | 2008 | 2021 |
| Astronomical Journal | 1538-3881 | 1998 | 2021 |
| Astrophysical Journal | 1538-4357 | 1996 | 2021 |
| Astrophysical Journal Letters | 2041-8213 | 2010 | 2021 |
| Astrophysical Journal Letters | 0004-637X | 1995 | 2009 |
| Astrophysical Journal Supplement Series | 1538-4365 | 1996 | 2021 |
| Biofabrication | 1758-5090 | 2009 | 2021 |
| Bioinspiration and Biomimetics | 1748-3190 | 2006 | 2021 |
| Biomedical Materials | 1748-605X | 2006 | 2021 |
| Biomedical Physics & Engineering Express | 2057-1976 | 2015 | 2021 |
| Chinese Physics B Formerly: Chinese Physics Formerly: Acta Physica Sinica (Overseas Edition) | 2058-3834 1741-4199 - | 2008 2000 1992 | 2021 2007 1999 |
| Chinese Physics C | 2058-6132 | 2008 | 2021 |
| Chinese Physics Letters | 1741-3540 | 1984 | 2021 |
| Classical and Quantum Gravity | 1361-6382 | 1984 | 2021 |
| Communications in Theoretical Physics | 1572-9494 | 1982 | 2021 |
| Computational Science & Discovery | 1749-4699 | 2008 | 2015 |
| Convergent Science Physical Oncology | 2057-1739 | 2015 | 2018 |
| Distributed Systems Engineering | 1361-6390 | 1993/1994 | 1999 |
| Electronic Structure | 2516-1075 | 2019 | 2021 |
| EPL | 1286-4854 | 1986 | 2021 |
| European Journal of Physics | 1361-6404 | 1980 | 2021 |
| Flexible and Printed Electronics | 2058-8585 | 2016 | 2021 |
| Fluid Dynamics Research | 1873-7005 | 1986 | 2021 |
| Inverse Problems | 1361-6420 | 1985 | 2021 |
| Izvestiya: Mathematics * Formerly: Russian Academy of Sciences: Izvestiya Mathematics Formerly: Mathematics of the USSR – Izvestiya | 1468-4810 - - | 1995 1993 1967 | 2021 1995 1992 |
| Japanese Journal of Applied Physics | 1347-4065 | 1962 | 2021 |
| Journal of Breath Research | 1752-7163 | 2007 | 2021 |
| Journal of Cosmology and Astroparticle Physics | 1475-7516 | 2003 | 2021 |
| Journal of High Energy Physics | 1029-8479 | 1997 | 2009 |
| Journal of Instrumentation | 1748-0221 | 2006 | 2021 |
| Journal of Micromechanics and Microengineering | 1361-6439 | 1991 | 2021 |
| Journal of Neural Engineering | 1741-2552 | 2004 | 2021 |

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|---|---|---|---|
| Journal of Optics Formerly: Journal of Optics A: Pure and Applied Optics (from 1999) (Formed by merger of Journal of Optics (1977-1998) and Pure and Applied Optics: Journal of the European Optical Society Part A (1992-1998)) Formerly: Nouvelle Revue d'Optique (1973- 1976) Formerly also Nouvelle Revue d'Optique Appliquée (1970-1972) | 2040-8986 1741-3567 - 1361-6617 - - | 2010 1999 1977 1992 1973 1970 | 2021 2009 1998 1998 1976 1972 |
| Journal of Physics A: Mathematical and Theoretical (from 2007) Formerly: Journal of Physics A: Mathematical and General (1975-2006) Formerly: Journal of Physics A: Mathematical, Nuclear and General (1973-1974) Formerly: Journal of Physics A: General Physics (1968-1972) | 1751-8121 1361-6447 - - | 2007 1975 1973 1968 | 2021 2006 1974 1972 |
| Journal of Physics B: Atomic, Molecular and Optical Physics (from 1988) Formerly: Journal of Physics B: Atomic and Molecular Physics (1970-1987) In 2006 this journal merged with Journal of Optics B: Quantum & Semiclassical Optics(1999-2005) Formerly Quantum and Semiclassical Optics: Journal of the European Optical Society Part B (1995-1998) Formerly Quantum Optics: Journal of the European Optical Society Part B (1989-1994) | 1361-6455 - 1741-3575 1361-6625 - | 1988 1968 1999 1995 1989 | 2021 1987 2005 1998 1994 |
| Journal of Physics: Condensed Matter (from 1989) Formed by merger of: Journal of Physics C: Solid State Physics (1970-1988) Journal of Physics F: Metal Physics (1971- 1988) | 1361-648X - - | 1989 1968 1971 | 2021 1988 1988 |
| Journal of Physics D: Applied Physics Formerly British Journal of Applied Physics (1950 – 1967) | 1361-6463 - | 1968 1950 | 2021 1967 |
| Journal of Physics G: Nuclear and Particle Physics Formerly: Journal of Physics G: Nuclear Physics (1975-1988) | 1361-6471 - | 1989 1975 | 2021 1988 |
| Journal of Radiological Protection Formerly : Journal of the Society for Radiological Protection (1981 - 1987) | 1361-6498 - | 1988 1981 | 2021 1987 |
| Journal of Semiconductors | 2058-6140 | 2009 | 2021 |
| Journal of Statistical Mechanics: Theory and Experiment | 1742-5468 | 2004 | 2021 |
| Laser Physics | 1555-6611 | 2013 | 2021 |
| Laser Physics Letters | 1612-202X | 2004 | 2021 |
| Materials Research Express | 2053-1591 | 2014 | 2019 |
| Measurement Science and Technology Formerly: Journal of Physics E: Scientific Instruments (1968-1989) Formerly Journal of Scientific Instruments (1923 – 1967) | 1361-6501 - - | 1990 1968 1923 | 2021 1989 1967 |
| Methods and Applications in Fluorescence | 2050-6120 | 2013 | 2021 |
| Metrologia | 1681-7575 | 1965 | 2021 |

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| Modelling and Simulation in Materials Science and Engineering | 1361-651X | 1992 | 2021 |
| Multifunctional Materials | 2399-7532 | 2018 | 2021 |
| Nano Futures | 2399-1984 | 2017 | 2021 |
| Nanotechnology | 1361-6528 | 1990 | 2021 |
| Nonlinearity | 1361-6544 | 1988 | 2021 |
| Nuclear Fusion | 1741-4326 | 1960 | 2021 |
| Physica Scripta | 1402-4896 | 1970 | 2021 |
| Physical Biology | 1478-3975 | 2004 | 2021 |
| Physics Education | 1361-6552 | 1966 | 2021 |
| Physics in Medicine & Biology | 1361-6560 | 1956 | 2021 |
| Physics in Technology Formerly: Review of Physics in Technology (1970 – 1972) | - - | 1973 1970 | 1988 1972 |
| Physics-Uspekhi Formerly: Soviet Physics Uspekhi (1958 – 1992) | 1468-4780 - | 1993 1958 | 2021 1992 |
| Physics Bulletin | | 1950 | 1988 |
| Physics World | 2058-7058 | 1988 | 2021 |
| Physiological Measurement Formerly: Clinical Physics and Physiological Measurement (1980-1992) | 1361-6579 - | 1993 1980 | 2021 1992 |
| Plasma Physics and Controlled Fusion Formerly: Plasma Physics (1967-1983) Formerly Journal of Nuclear Energy Part C, Plasma Physics, Accelerators, Thermonuclear Research (1959- 1966) | 1361-6587 - - | 1984 1967 1959/1960 | 2021 1983 1966 |
| Plasma Research Express | 2516-1067 | 2019 | 2021 |
| Plasma Science and Technology | 2058-6272 | 1999 | 2021 |
| Plasma Sources Science and Technology | 1361-6595 | 1992 | 2021 |
| Proceedings of the Physical Society (1958-1967) | - | 1958 | 1967 |
| Proceedings of the Physical Society Section A (1949-1957) | - | 1949 | 1957 |
| Proceedings of the Physical Society Section B (1949-1957) | - | 1949 | 1957 |
| Proceedings of the Physical Society (1926-1948) | - | 1926 | 1948 |
| Proceedings of the Physical Society of London (1874-1925) | - | 1874 | 1925 |
| Publications of the Astronomical Society of the Pacific | 1538-3873 | 1889 | 2021 |
| Quantum Electronics Formerly: Soviet Journal of Quantum Electronics | 1468-4799 - | 1993 1971 | 2021 1992 |
| Quantum Science and Technology | 2058-9565 | 2016 | 2021 |
| Reports on Progress in Physics | 1361-6633 | 1934 | 2021 |
| Research in Astronomy and Astrophysics Formerly Chinese Journal of Astronomy and Astrophysics | 2397-6209 - | 2009 2001 | 2021 2008 |
| Russian Chemical Reviews | 1468-4837 | 1960 | 2021 |
| Russian Mathematical Surveys | 1468-4829 | 1960 | 2021 |

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| Sbornik:Mathematics * Formerly: Russian Academy of Sciences: Sbornik Mathematics Formerly: Mathematics of the USSR – Sbornik | 1468-4802 - - | 1995 1993 1967 | 2021 1995 1993 |
| Semiconductor Science and Technology | 1361-6641 | 1986 | 2021 |
| Smart Materials and Structures | 1361-665X | 1992 | 2021 |
| Superconductor Science and Technology | 1361-6668 | 1988 | 2021 |
| Surface Topography: Metrology and Properties | 2051-672X | 2013 | 2021 |
| Transactions of the Optical Society (1899-1932) | - | 1899 | 1932 |
| Translational Materials Research | 2053-1613 | 2014 | 2018 |

* - Volumes re-numbered in 1995 – no gap in volume

SCHEDULE 3: TERM, FEES AND MEMBERS**Initial Term of Licence**

1 January 2021 – 31 December 2024

Fees

The Consortium shall pay IOP on the Members' behalf.

The total fee (excluding any taxes) payable by the Consortium on behalf of the Members under this Licence shall be as follows:

| | Year 1: 2021 | Year 2: 2022 | Year 3: 2023 | Year 4: 2024 |
|--------------|---------------------|---------------------|---------------------|---------------------|
| Read Fee | £128,862.06 | £132,727.92 | £136,709.76 | £140,811.05 |
| Publish Fee | £22,977.00 | £23,666.31 | £24,376.30 | £25,107.59 |
| Total | £151,839.06 | £156,394.23 | £161,086.06 | £165,918.64 |

Members

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|--|
| Dublin City University |
| Maynooth University |
| National University of Ireland, Galway (incl. St. Angela's College, Sligo) |
| Technological University Dublin |
| University College Cork |
| University College Dublin |
| University of Limerick |
| Trinity College Dublin |
| Science Foundation Ireland |
| Higher Education Authority |

SCHEDULE 4: TEXT AND DATA MINING

"Text and Data Mining" means to download, extract and index information from the Journals for non-commercial purposes. Where required, mount, load and integrate the results on a server used for the Consortium and/or the Members' text-mining system and evaluate and interpret the TDM Output. The Consortium and the Members shall use all reasonable efforts to ensure compliance with this Licence, including security and technical access requirements; and

"Text and Data Mining Output ("TDM Output")" means the result of any Text and Data Mining activity or operation, capable of fixation, reproduction and/or communication in any form, such as in the creation of an index, reference, abstract, relative or absolute description or representation of the Journals, an algorithm, formula, metrics, method, standard or taxonomy describing or based on the Journals, a relational expression or measurement, whether scalable or not, of the Journals, extraction, alternative representation or translation, expression or discussion of any extracts from mined Journals, whether in the form of a direct extraction or a representation in any form which is based on the Journals.

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SCHEDULE 5: OPEN ACCESS PUBLICATION

- 1 Subject to the remainder of this Schedule, with regard to the fees payable for periods starting on or after 1 January 2021, and during the term of this Licence, IOP will charge the amounts outlined in Schedule 3 for this Licence.
- 2 The “Corresponding Author” shall be the author that (i) submits a manuscript and (ii) is the author responsible for communicating with the journal during the submission, peer review and publication process.
- 3 The Article Publication Charges (“APCs”) shall be included in the Fee for any articles (of the type paper, special issue paper, review and letter) in the Included Journals (listed in Schedule 6) where the Corresponding Author is a current staff member or student of a Member at the time of article acceptance, and is approved for inclusion by the named contact at the Member on acceptance of the article by IOP or the respective partner within the term of this Licence (the “Eligible Articles”).
- 4 The following process shall be followed:
 - During the peer review process, IOP will make reasonable efforts to identify and inform the Corresponding Author of their article’s possible eligibility for inclusion in this Licence and/or IOP will use reasonable efforts to ensure that the respective partner informs those authors where a journal is owned by that partner. Identification will be based on the Corresponding Author’s affiliation through various identifiers. IOP and its partners assume no liability for failure to identify whether a Corresponding Author is a current staff member or student of a Member. The Corresponding Author may opt out of this agreement within five (“5”) days of being notified of possible eligibility;
 - In order for an article to be approved as an Eligible Article, IOP and/or the respective partner will notify the Member in writing with a request for approval once such an article has been identified and accepted for publication;
 - The responsibility of approving an Eligible Article shall be exclusively that of the Member, who must verify that the article meets their requirements and that the Corresponding Author is a current staff member or student. Members may request additional information (including the email address of the Corresponding Author) if required for the approval process;
 - The Member must respond to IOP within five (“5”) working days of a request for approval, or request to extend this by up to an additional five (“5”) working days. If the Member does not notify IOP in writing within this or any extended period that it wishes IOP to treat the article as an Eligible Article, then IOP shall not treat the article as an Eligible Article. If IOP is concerned about the speed of responses, or considers that validations are adversely impacting authors, IOP will notify the respective Member;
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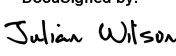
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- 5 IOP will deliver article metadata including Open Access licence information to CrossRef.
 - 6 Any Eligible Article will be published under a CC BY licence and can be posted to institutional and subject repositories immediately, in accordance with the terms of that CC BY licence.
 - 7 IOP will send quarterly reports and an annual statement of the Eligible Articles accepted and published within the period to the Consortium.
 - 8 IOP will notify the Consortium in writing when any titles will be added or removed to the list of Included Journals (Schedule 6).

SCHEDULE 6: INCLUDED JOURNALS

| Journal | E-ISSN |
|---|---------------|
| 2D Materials | 2053-1583 |
| Applied Physics Express | 1882-0786 |
| Biofabrication | 1758-5090 |
| Bioinspiration & Biomimetics | 1748-3190 |
| Biomedical Materials | 1748-605X |
| Biomedical Physics & Engineering Express | 2057-1976 |
| Classical and Quantum Gravity | 1361-6382 |
| Electronic Structure | 2516-1075 |
| Engineering Research Express | 2631-8695 |
| European Journal of Physics | 1361-6404 |
| Europhysics Letters | 1286-4854 |
| Flexible and Printed Electronics | 2058-8585 |
| Fluid Dynamics Research | 1873-7005 |
| Functional Composites and Structures | 2631-6331 |
| Inverse Problems | 1361-6420 |
| Japanese Journal of Applied Physics | 1347-4065 |
| Journal of Breath Research | 1752-7163 |
| Journal of Cosmology and Astroparticle Physics | 1475-7516 |
| Journal of Instrumentation | 1748-0221 |
| Journal of Micromechanics and Microengineering | 1361-6439 |
| Journal of Neural Engineering | 1741-2552 |
| Journal of Optics | 2040-8986 |
| Journal of Physics A: Mathematical and Theoretical | 1751-8121 |
| Journal of Physics B: Atomic, Molecular and Optical Physics | 1361-6455 |
| Journal of Physics D: Applied Physics | 1361-6463 |
| Journal of Physics G: Nuclear and Particle Physics | 1361-6471 |
| Journal of Physics: Condensed Matter | 1361-648X |
| Journal of Radiological Protection | 1361-6498 |
| Journal of Statistical Mechanics: Theory and Experiment | 1742-5468 |
| Laser Physics | 1555-6611 |
| Laser Physics Letters | 1612-202X |
| Measurement Science and Technology | 1361-6501 |
| Methods and Applications in Fluorescence | 2050-6120 |
| Metrologia | 1681-7575 |
| Modelling and Simulation in Materials Science and Engineering | 1361-651X |
| Multifunctional Materials | 2399-7532 |
| Nano Futures | 2399-1984 |
| Nanotechnology | 1361-6528 |
| Nonlinearity | 1361-6544 |
| Nuclear Fusion | 1741-4326 |
| Physica Scripta | 1402-4896 |
| Physical Biology | 1478-3975 |

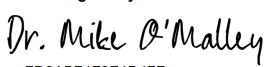
| | |
|---|-----------|
| Physics Education | 1361-6552 |
| Physics in Medicine & Biology | 1361-6560 |
| Physiological Measurement | 1361-6579 |
| Plasma Physics and Controlled Fusion | 1361-6587 |
| Plasma Research Express | 2516-1067 |
| Plasma Sources Science and Technology | 1361-6595 |
| Progress in Energy | 2516-1083 |
| Progress in Biomedical Engineering | 2516-1091 |
| Publications of the Astronomical Society of the Pacific | 1538-3873 |
| Quantum Science & Technology | 2058-9565 |
| Semiconductor Science and Technology | 1361-6641 |
| Smart Materials and Structures | 1361-665X |
| Superconductor Science and Technology | 1361-6668 |
| Surface Topography: Metrology and Properties | 2051-672X |

As witness the hands of the parties the day and year first above written.

DocuSigned by:
 Julian wilson
 SIGNED by145201D32BB4400.....(signature)(name)

DATE: April 15, 2021 | 01:53 PDT

For and on behalf of IOP Publishing Limited

DocuSigned by:
 Dr. Mike O'Malley
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