


Elsevier Permission

[Skip to content](#)



ELSEVIER

- [About Elsevier](#)
 - [About us](#)
 - [Elsevier Connect](#)
 - [Careers](#)
- [Products & Solutions](#)
 - [R & D Solutions](#)
 - [Clinical Solutions](#)
 - [Research Platforms](#)
 - [Research Intelligence](#)
 - [Education](#)
 - [All Solutions](#)
- [Services](#)
 - [Authors](#)
 - [Editors](#)
 - [Reviewers](#)
 - [Librarians](#)
- [Shop & Discover](#)
 - [Books and Journals](#)
 - [Author Webshop \(Opens new window\)](#)

• 



• [0](#)



[View account](#) [Sign out](#)



Sign in to view your account details and order history

[Sign in](#)



◦ [View account](#) [Sign out](#)



- About Elsevier
 - [About us](#)
 - [Elsevier Connect](#)
 - [Careers](#)

- Products & Solutions
 - [R & D Solutions](#)
 - [Clinical Solutions](#)
 - [Research Platforms](#)
 - [Research Intelligence](#)
 - [Education](#)
 - [All Solutions](#)
- Services
 - [Authors](#)
 - [Editors](#)
 - [Reviewers](#)
 - [Librarians](#)
- Shop & Discover
 - [Books and Journals](#)
 - [Author Webshop \(Opens new window\)](#)

Search for books, journals or webpages...

1. [Home](#)
2. [About](#)
3. [Policies](#)
4. [Copyright](#)
5. [Permissions](#)

Permissions

As a general rule, permission should be sought from the rights holder to reproduce any substantial part of a copyrighted work. This includes any text, illustrations, charts, tables, photographs, or other material from previously published sources. Obtaining permission to re-use content published by Elsevier is simple. Follow the guide below for a quick and easy route to permission.

- [Permission guidelines](#)
- [ScienceDirect content](#)
- [Tutorial videos](#)
- [Help and support](#)

Permission guidelines

For further guidelines about obtaining permission, please review our Frequently Asked Questions below:

[When is permission required?](#)

[When is permission not required?](#)

Written permission may not need to be obtained in certain circumstances, such as the following:

- **Public domain works** are not protected by copyright and may be reproduced without permission, subject to proper acknowledgement. This includes works for which copyright has expired (for example, any US work published prior to 1923), works that are not copyrightable by law (for example, works prepared by US government employees as part of their official duties), and works expressly released into the public domain by their creators. (Permission would however be required to re-use the final formatted, edited, published version of a public domain journal article, for example, as this version is owned by the publisher.)
- **Open access content** published under a CC-BY user license, as well as open access content published under other types of [user licenses](#) depending on the nature of your proposed re-use (for example, commercial vs. nonprofit use), may not require written permission, subject to proper acknowledgement. Permissions vary depending on the license type, and we recommend that readers check the license details carefully before re-using the material.
- Creating an original figure or table from **data or factual information** that was not previously in figure or table format typically does not require permission, subject to proper acknowledgement of the source(s) of the data.

[From whom do I need permission?](#)

[How do I obtain permission to use photographs or illustrations?](#)

[Do I need to obtain permission to use material posted on a website?](#)

[What rights does Elsevier require when requesting permission?](#)

[How do I obtain permission from another publisher?](#)

[What is Rightslink?](#)

[What should I do if I am not able to locate the copyright owner?](#)

[Can I obtain permission from a Reproduction Rights Organization \(RRO\)?](#)

[Is Elsevier an STM signatory publisher?](#)

[Do I need to request permission to re-use work from another STM publisher?](#)

[Do I need to request permission to text mine Elsevier content?](#)

[Can I include/use my article in my thesis/dissertation?](#)

Yes. Authors can include their articles in full or in part in a thesis or dissertation for non-commercial purposes.

[Which uses of a work does Elsevier view as a form of ‘prior publication’?](#)

[How do I obtain permission to use Elsevier Journal material such as figures, tables, or text excerpts, if the request falls within the STM permissions guidelines?](#)

[How do I obtain permission to use Elsevier Journal material such as figures, tables, or text excerpts, if the amount of material I wish to use does not fall within the free limits set out in the STM permissions guidelines?](#)

[How do I obtain permission to use Elsevier Book material such as figures, tables, or text excerpts?](#)

[How do I obtain permission to use Elsevier material that is NOT on ScienceDirect or Clinical Key?](#)

[Can I use material from my Elsevier journal article within my thesis/dissertation?](#)

As an Elsevier journal author, you have the right to Include the article in a thesis or dissertation (provided that this is not to be published commercially) whether in full or in part, subject to proper acknowledgment; see [the Copyright page](#) for more information. No written permission from Elsevier is necessary.

This right extends to the posting of your thesis to your university’s repository provided that if you include the published journal article, it is embedded in your thesis and not separately downloadable.

[Can I modify a figure when I have received permission to use it?](#)

[Can I modify Lancet material?](#)

[How do I obtain copies of a book in a format suitable for a person with a disability?](#)

[What is the National Institute of Health’s \(NIH\) policy for depositing articles to PubMed Central?](#)

[How should I acknowledge Elsevier material?](#)

[How do I set up a Rightslink account?](#)

[As an Elsevier book author can I post my chapter on a website?](#)

[How do I request permission to use NETTER images?](#)

[Can I post my Elsevier article to my Institutional Repository?](#)

[How can I share my Elsevier article \(Scholarly Sharing\)?](#)

[Can I post my article on ArXiv?](#)

[Can I post my article on ResearchGate without violating copyright?](#)

[What is Elsevier's policy on using patient photographs?](#)

[Where can I find Elsevier's permission request form to use when requesting permission from another copyright holder?](#)

Obtaining permission to use content on ScienceDirect

If the content you wish to re-use is on [ScienceDirect](#), you may request permission using the Copyright Clearance Center's Rightslink® service. Simply follow the steps below:

1. **Locate your desired content on ScienceDirect.** Subscribers will be able to view all content and guest users can view open access content and abstracts for free simply by clicking on the article or chapter title.
2. **Determine if the content is open access or subscription access.** If you are reading an Elsevier published article online, you need to look out for the "Open Access" orange label located under the article's title and author information. You will also be able to identify any relevant open access articles in your search results by looking for the same label. To find out how you can reuse an open access article, look underneath the title and click on the license hyperlink for exact details on the user license selected by the author. If your reuse is not covered by the user license, please proceed to the next step.
3. **Click on the 'Get rights and content' button located under the author details,** adjacent to

the DOI.

4. **The following page will then be launched** (turn off your pop-up blocker):
RightsLink pop up window

5. **Select the way you would like to reuse the content.**
6. **Create an account** if you have not done so already.
7. **Accept the terms and conditions.**

For further information about Rightslink® please [click here](#).

For questions about using the Rightslink service, please contact Customer Support via phone 877/622-5543 (toll free) or 978/777-9929, or email customercare@copyright.com.

Please note: When you create an account with Rightslink you will be asked to provide either your credit card information or an invoicing address. This does not necessarily mean that your request will be subject to a permissions fee; it is part of the registration process only. You can determine whether your request is subject to a fee by clicking on the "quick price" button after you have made your selection on how you wish to use the material.

Permissions - tutorial videos



Help and support

- For questions about obtaining permission visit the [Permissions Helpdesk](#)
- For further details about how authors can use their book content see our [books authors home](#)
- For details on self-archiving and posting, please refer to our [sharing guidelines](#) and [copyright policy](#)

-

[Solutions](#)

Solutions

- [Scopus](#)
- [ScienceDirect](#)
- [Mendeley](#)
- [Evolve](#)
- [Knovel](#)
- [Reaxys](#)
- [ClinicalKey](#)

•

[Researchers](#)

Researchers

- [Submit your paper](#)
- [Find books & journals](#)
- [Visit Author Hub](#)
- [Visit Editor Hub](#)
- [Visit Librarian Hub](#)
- [Visit Reviewer Hub](#)

•

[About Elsevier](#)

About Elsevier

- [About](#)
- [Careers](#)
- [Newsroom](#)
- [Events](#)
- [Publisher relations](#)
- [Advertising, reprints and supplements](#)

•

[How can we help?](#)

How can we help?

- [Support and Contact](#)

Follow Elsevier

[Icon social media facebook](#)

[Icon social media linkedin](#)

[Icon social media twitter](#)

[Icon social media youtube](#)

Select location/language

- [Global - English](#)
 - [Global English](#)
 - [United Kingdom English](#)
 - [Poland Polski](#)
 - [Spain Español](#)
 - [Français France](#)
 - [India English](#)

Elsevier
logo

Copyright © 2019 Elsevier, except certain content provided by third parties

Cookies are used by this site. To decline or learn more, visit our [Cookies](#) page.

[Terms and Conditions](#) [Privacy Policy](#) [Sitemap](#)

Elsevier
logo

RELX Wordmark

-
RELX Wordmark

IEEE Author Rights

Frequently Asked Questions Regarding IEEE Permissions

- [When is permission to reuse IEEE required?](#)
 - [From whom do I need permission?](#)
 - [What if I do not see the “Request Permission” link on either the Table of Contents or the Abstract Page in Xplore?](#)
 - [Does IEEE require individuals working on a thesis or dissertation to obtain formal permission for reuse?](#)
 - [If I want to republish an article in another language do I still need to obtain a license from IEEE?](#)
 - [How do I obtain permission to use photographs or illustrations?](#)
 - [Do I need to obtain permission to use IEEE material posted on its website?](#)
 - [Does IEEE require certain rights when requesting permission to use material in an IEEE work?](#)
 - [What is Rightslink®?](#)
 - [Is IEEE an STM signatory publisher?](#)
-

- **When is permission to reuse IEEE required?**

As a general rule, IEEE requires permission be sought to reproduce any substantial part of its intellectual property, including any text, illustrations, charts, tables, photographs, or other material from previously published sources used. IEEE also requires that all references or sources used be credited, whether or not permission is required. For further guidance, please contact pubs-permissions@ieee.org.

- **From whom do I need permission?**

Permission must be sought from IEEE to reuse its intellectual property. In most cases this will mean locating the material you wish to reuse in IEEE Xplore, where you will find a “request permission” link either on the Table of Contents or on the Article Abstract Page.

- **What if I do not see the “Request Permission” link on either the Table of Contents or the Abstract Page in Xplore?**

If you do not see a permission link on the Abstract Page, we recommend you review the front cover and/or the copyright page in the document itself (often, these pages are freely available for viewing in Xplore) in order to determine copyright owner. If you are unsure, please contact pubs-permissions@ieee.org.

- **Does IEEE require individuals working on a thesis or dissertation to obtain formal permission for reuse?**

The IEEE does not require individuals working on a thesis to obtain a formal reuse license, however, you must follow the requirements listed below:

Textual Material

Using short quotes or referring to the work within these papers) users must give full credit to the original source (author, paper, publication) followed by the IEEE copyright line © 2011 IEEE.

In the case of illustrations or tabular material, we require that the copyright line © [Year of original publication] IEEE appear prominently with each reprinted figure and/or table.

If a substantial portion of the original paper is to be used, and if you are not the senior author, also obtain the senior author's approval.

Full-Text Article

If you are using the entire IEEE copyright owned article, the following IEEE copyright/ credit notice should be placed prominently in the references: © [year of original publication] IEEE. Reprinted, with permission, from [author names, paper title, IEEE publication title, and month/year of publication]

Only the accepted version of an IEEE copyrighted paper can be used when posting the paper or your thesis on-line.

In placing the thesis on the author's university website, please display the following message in a prominent place on the website: In reference to IEEE copyrighted material which is used with permission in this thesis, the IEEE does not endorse any of [university/educational entity's name goes here]'s products or services. Internal or personal use of this material is permitted. If interested in reprinting/republishing IEEE copyrighted material for advertising or promotional purposes or for creating new collective works for resale or redistribution, please go to http://www.ieee.org/publications_standards/publications/rights/rights_link.html to learn how to obtain a License from RightsLink.

If applicable, University Microfilms and/or ProQuest Library, or the Archives of Canada may supply single copies of the dissertation.

- **If I want to republish an article in another language do I still need to obtain a license from IEEE?**

If you are republishing IEEE intellectual property, we do require you obtain a license that includes any translations. The required translation disclaimer and other translation guidelines are available in the IEEE Terms and Conditions contained in the license provided by the Copyright Clearance Center (RightsLink service).

- **How do I obtain permission to use photographs or illustrations?**

IEEE does not always own reproduction rights to photographs or illustrations; rather, such rights may have been retained by the photographer or illustrator. If the source from which the material is borrowed does not indicate who owns reproduction rights, users of these photographs or illustrations are required to locate the rightsholder, directly.

- **Do I need to obtain permission to use IEEE material posted on its website?**

Yes. As a general rule, most material found on the internet is protected by copyright law even if a notice is not displayed. IEEE does require that you inquire about such permission before using any material found on all IEEE copyright owned websites.

- **Does IEEE require certain rights when requesting permission to use material in an IEEE work?**

IEEE does allow permission to reuse small portions of text in another IEEE copyright owned document only (e.g., the equivalent of several paragraphs only) and figures. Our only requirement is that you 1) provide full credit information pertaining to the original IEEE publications (e.g., author name, paper title, publication title, month and year of original publication). Requests for permission to reuse larger portions should be sent to pubs-permissions@ieee.org .

- **What is Rightslink®?**

Rightslink® is the Copyright Clearance Center's automated permissions granting service, which is used by IEEE along with many other STM publishers such as Springer, Elsevier, and Taylor & Francis. Through this permission service, customers can request permission for IEEE Periodical and Conference content from the point of access; (normally found on the abstract page of the individual article, in IEEE Xplore).

- **Is IEEE an STM signatory publisher?**

No, IEEE is not a signatory to the STM (International Association of Scientific, Technical & Medical Publishers) Permissions Guidelines, last updated February 2012.

April 2013, nbd

MDPI Permission



[Journals \(/about/journals\)](#)

[Information \(/authors\)](#)

[Author Services \(/authors/english\)](#)

[Initiatives](#)

[About \(/about\)](#)

[Sign In / Sign Up \(/user/login\)](#)

[Submit \(https://susy.mdpi.com/user/manuscripts/upload\)](https://susy.mdpi.com/user/manuscripts/upload)

Search for Articles:

Advanced Search

Copyrights

Copyright and Licensing

For all articles published in MDPI journals, copyright is retained by the authors. Articles are licensed under an open access Creative Commons CC BY 4.0 license, meaning that anyone may download and read the paper for free. In addition, the article may be reused and quoted provided that the original published version is cited. These conditions allow for maximum use and exposure of the work, while ensuring that the authors receive proper credit.

In exceptional circumstances articles may be licensed differently. If you have specific condition (such as one linked to funding) that does not allow this license, please mention this to the editorial office of the journal at submission. Exceptions will be granted at the discretion of the publisher.

Reproducing Published Material from other Publishers

It is absolutely essential that authors obtain permission to reproduce any published material (figures, schemes, tables or any extract of a text) which does not fall into the public domain, or for which they do not hold the copyright. Permission should be requested by the authors from the copyright holder (usually the Publisher, please refer to the imprint of the individual publications to identify the copyright holder).

Permission **is required** for:

1. Your own works published by other Publishers and for which you did not retain copyright.
2. Substantial extracts from anyone's works or a series of works.
3. Use of Tables, Graphs, Charts, Schemes and Artworks if they are unaltered or slightly modified.
4. Photographs for which you do not hold copyright.

Permission **is not required** for:

1. Reconstruction of your *own* table with data already published elsewhere. Please notice that in this case you must cite the source of the data in the form of either "Data from..." or "Adapted from...".
2. Reasonably short quotes are considered *fair use* and therefore do not require permission.
3. Graphs, Charts, Schemes and Artworks that are completely redrawn by the authors and significantly changed beyond recognition do not require permission.

Obtaining Permission

In order to avoid any research delays in the publication process, you should start obtaining permissions as early as possible. If in any doubt about the copyright holder, please contact the editorial office. [Read more about our policies / Delete cookies / Privacy policy](#)

The copyright holder may give you instructions on the form of acknowledgement to be followed; otherwise follow the style: "Reproduced with permission from [author], [book/journal title]; published by [publisher], [year]." at the end of the caption of the Table, Figure or Scheme. [Accept \(accept cookies\)](#)

[Accessing Charges \(/apc\)](#)

[Pay an Invoice \(https://payment.mdpi.com\)](https://payment.mdpi.com)

[Open Access Policy \(/openaccess\)](#)

[Privacy Policy \(/about/privacy\)](#)

[Contact MDPI \(/about/contact\)](#)

[Jobs at MDPI \(/about/jobs\)](#)

Guidelines

[For Authors \(/authors\)](#)

[For Reviewers \(/reviewers\)](#)

[For Editors \(/editors\)](#)

[For Librarians \(/librarians\)](#)

[For Publishers \(/publishing_services\)](#)

[For Societies \(/societies\)](#)

MDPI Initiatives

[Institutional Open Access Program \(IOAP\) \(/ioap\)](#)

[Sciforum \(https://sciforum.net\)](https://sciforum.net)

[Preprints \(https://www.preprints.org\)](https://www.preprints.org)

[Scilit \(https://www.scilit.net\)](https://www.scilit.net)

[MDPI Books \(https://www.mdpi.com/books\)](https://www.mdpi.com/books)

[Encyclopedia \(https://encyclopedia.pub\)](https://encyclopedia.pub)

[MDPI Blog \(http://blog.mdpi.com/\)](http://blog.mdpi.com/)

Follow MDPI

[LinkedIn \(https://www.linkedin.com/company/mdpi\)](https://www.linkedin.com/company/mdpi)

[Facebook \(https://www.facebook.com/MDPIOpenAccessPublishing\)](https://www.facebook.com/MDPIOpenAccessPublishing)

[Twitter \(https://twitter.com/MDPIOpenAccess\)](https://twitter.com/MDPIOpenAccess)

**Subscribe to receive issue release
notifications and newsletters from
MDPI journals**

Select options

Enter your email address...

Subscribe

© 1996-2019 MDPI (Basel, Switzerland) unless otherwise stated

[Terms and Conditions \(/about/terms-and-conditions\)](#) **[Privacy Policy \(/about/privacy\)](#)**

We use cookies on our website to ensure you get the best experience.
Read more about our cookies [here \(/about/privacy\)](#).

[Accept \(/accept_cookies\)](#)

Springer Permission

Springer Science+Business Media (SSBM)

Springer Science+Business Media (SSBM) has partnered with Copyright Clearance Center's RightsLink service to offer a variety of options for reusing SSBM content from its journals. SSBM is the copyright holder of the content being licensed, and RightsLink is the service by which you procure a license. All billing is managed by Copyright Clearance Center.

Listed below are highlights of the SSBM RightsLink offering.

- [Contact SSBM](#) for additional questions regarding a license.
- [Contact RightsLink/CCC](#) for additional questions regarding the RightsLink service, or read the remaining help pages. [Welcome to RightsLink](#). [Contact RightsLink](#).

Once in RightsLink, the easy Quick Price process will clarify when permission is required. It is your responsibility to ensure that the material is original to SSBM and that the material was not reprinted with permission from a non-SSBM source. Please begin by indicating for whom this order is intended and clicking continue.

[Contact Springer Science+Business Media](#)

[Tell Me About Permissions](#)

[No content Delivery](#)

[Alterations](#)

[Authors](#)

[Derivative Works](#)

[Copyright](#)

[Credits/Refunds](#)

[Details of Use](#)

[Embargo](#)

[Format](#)

[Gratis](#)

[MyLibrary](#)

[Notification to Author](#)

[Open Choice](#)

[Portions](#)

[Price](#)

[Print Run](#)

[Who will be distributing your new work?](#)

[Requestor Type](#)

[Translations](#)

[Type of Use](#)

[Annual report](#)

[Book / Textbook](#)

[Classroom Materials / Academic Coursepack](#)

[Conference](#)

[Journal / Magazine](#)

[Movie Screening](#)

[Newspaper](#)

[Poster](#)

[Presentation / Slide Kit](#)

[Promotional Materials](#)
[Television](#)
[Thesis/Dissertation](#)
[Training Materials](#)
[Translation](#)
[Website](#)
[Purchase the Article](#)
[Springer-Owned Imprint](#)
[Other](#)

[Tax](#)

Contact Springer Science+Business Media

Please contact Springer Science+Business Media (SSBM) Rights and Permissions directly with any permissions or rights questions.

Web Site: Contact Springer Worldwide Offices (<http://www.springer.com/?SGWID=5-102-0-0-0>)

Web Site: Home Page <http://link.springer.com>

Rights and Permissions:

Address: Springer Science+Business Media
Rights and Permissions
Tiergartenstrasse 17
69121 Heidelberg
GERMANY

E-mail: permissions.springer@spi-global.com

For Springer questions not related to rights and permissions:

E-mail: Onlineservice@springer.com

[Back to top](#)

Tell Me About Permissions

If you want permission to reuse an article from Springer Science+Business Media in your own printed material, you can streamline the process by placing your request online through RightsLink. Once licensed, you can reuse the material legally, according to the terms of your license. Listed below are general publisher business rules. For the complete terms and conditions of reuse rights, please reference publisher terms and conditions.

[No content Delivery](#)
[Alterations](#)
[Authors](#)
[Derivative Works](#)
[Copyright](#)
[Credits/Refunds](#)

[Details of Use](#)
[Embargo](#)
[Format](#)
[Gratis](#)
[MyLibrary](#)
[Notification to Author](#)
[Open Access](#)
[Portions](#)
[Price](#)
[Print Run](#)
[Who will be distributing your new work?](#)
[Requestor Type](#)
[Translations](#)

No Content Delivery: The RightsLink service provides permission for reuse only. RightsLink does not deliver content. Once licensed, you may use the content according to the terms of your license. [Back to top](#)

Alterations: Figures and illustrations may be altered minimally to serve your work. Any other abbreviations, additions, deletions and/or any other alterations shall be made only with prior written authorization of the author(s) and/or Springer Science + Business Media. Edits to text are not permitted. (Please contact Springer at permissions.springer@spi-global.com) [Back to top](#)

Derivative Works: If you would like your license to cover subsequent editions, revisions, and derivative works including ancillaries, custom editions, and multimedia forms, please contact Springer directly. Although reuse licenses may be exercised anywhere in the world and include use in an [electronic form](#), provided its password protected, on intranet, or CD-Rom/E-book, other derivative works must be requested. [Back to top](#)

Copyright: You must include the original copyright and permission notice (indicated at the opening page of this article) in connection with any reproduction of the licensed material:

"The original publisher/journal title, volume, year of publication, page, chapter/article title, name(s) of author(s), figure number(s), original copyright notice) is given to the publication in which the material was originally published, by adding: With permission from Springer Science+Business Media" [Back to top](#)

Credits/Refunds: Please note fees are established by the publisher and cannot be waived or negotiated. [Back to top](#)

Details of Use: Details of use define where or how you intend to reuse the content. Details of use vary by the type of use, Some of the details of use include: Advertising, Banner, Brochure or flyer, Catalogue, CME, Web site, Repository, Slides/Slide Set, Staff training, or Workshop. Some details of use are geographic: National (in the country associated with your account set up), Internal (within your organization), or Global (worldwide). [Back to top](#)

Embargo: Older content is priced slightly lower than newer content. Depending on the publication date of the content being requested for licensing, you may notice fluctuations in pricing. [Back to top](#)

Format: Licenses are granted according to the format you have chosen in your request. [Back to top](#)

Gratis: Reuse requests which display \$0, though free of charge, are required to obtain a license through RightsLink and comply with the license terms and conditions. You will not be charged though will be required to establish a RightsLink account. Permissions for Springer content are not offered without a license through the system. [Back to top](#)

MyLibrary: A RightsLink service showing an overview of your placed orders of licensed portions of Springer content. Available for certain types of reuse only, this service provides you with greater licensing flexibility and tracking. [Back to top](#)

Notification to Author: Although Springer holds copyright to the material licensed through RightsLink and is entitled to negotiate on rights, it is courtesy to also inform the primary author (address is given with the article/chapter) and provided it concerns original material which does not carry references to other sources (if material in question appears with credit to another source, authorization from that source is required as well). See [Author](#). [Back to top](#)

Open access: Springer has established certain content as open access. Open access content used for non-commercial purposes does not require a license through RightsLink, and no charge is applied for the reuse. Some open access content used for commercial purposes requires a license and fee payment. RightsLink will display either messaging or an order flow for open access content, as established by Springer. [Back to top](#)

If the Requestor Type you select is

- considered commercial by Springer, RightsLink will display a price and require that you place an order.
- considered non-commercial by Springer, RightsLink will display a message regarding free reuse.
- not permitted for the type of use you select, RightsLink will display a message denying reuse rights.

Portions: Portions describe which elements of the Springer Science+Business Media publication you wish to reuse. Portions offered in the drop-down menu during ordering may include: [Back to top](#)

- **Full Text:** The complete article, not including figures.
- **Figure/tables/illustrations:** A figure/table/illustration used to illustrate textual material, usually accompanied by a quantity field.
- **Excerpt:** The portion of the content to be reused, usually in increments of 500 words. Small excerpts, less than 500 words, are free to reuse.
- **Abstract:** The portion of the content displayed on the Springer site.
- **Photograph:** The majority of the images used in Springer Journals are not Springer copyright, and are therefore not offered for licensing.

Note: Springer Science+Business Media warrants that it has, to the best of its knowledge, the rights to license material available for reuse through RightsLink. However, you should ensure that the material is original to Springer Science+Business Media and does not carry the copyright of another entity (as credited in the published version). If the credit line indicates that the material was reprinted or adapted by Springer Science+Business Media with permission from another source, then you should also seek permission to reuse the material from that source. [Back to top](#)

Price: Price quoted is an estimate based on this request for this title and the selected type of use only. Final price will depend on the total amount of requested Springer material. [Back to top](#)

Print Run: Print run is the estimated number of users/ copies/ attendees of the Springer content you expect to make. In some cases you may not know the exact print run until the work is published. If the print run changes by a figure greater than or equal to 2,000, please contact Springer customer service. Your license may be credited and a new license issued. [Back to top](#)

Requestor Type: Select the requestor type that best identifies the person, corporation, or institution that will be distributing the licensed Springer Science+Business Media content. Please select requestor type accurately to ensure a valid license. [Back to top](#)

- Authors Springer Science+Business Media implements rules through RightsLink addressing reuses by authors as well as reuses by others, not authors of the content being licensed. Authors are prompted for two designations by Springer Science+Business Media to drive its business rules regarding the granting of licenses. [Back to top](#)
 1. I am an author of the Springer article requested
 2. I am an author (or instructor) of the New Work. Examples of new work include anthology, new edited volume, new monograph, new article, conference materials, training materials)
- Commercial (for-profit) Company (PLC., Ltd., Inc. etc)
- Agency acting on behalf of other industry
- Non-commercial (not-for-profit)
- Continuing Medical Education (CME)
- Distance learning
- Educational
- Governmental Agency
- Medical education
- University
- Open University
- Pharmaceutical company / Agency acting on behalf of pharmaceutical
- Public Research Institute
- Publishing House/STM (Scientific, Technical, and Medical Publishers) listed publishing house

* *STM: Selection of STM (Scientific, Technical and Medical Publishers) requestor type requires the company be an STM signatory. [STM](#)*

Who will be distributing/selling your new work?: Select the requestor type that best identifies the person, corporation, or institution that will be using the licensed Springer Science+Business Media content. [Back to top](#)

Translations: Licensing rights granted through RightsLink include worldwide rights, as stated in Springer Reuse Terms. Contact Springer for specific translation requirements. [Back to top](#)

[Back to top](#)

Type of Use

A type of use describes what you may wish to do with copyrighted content and what the publisher permits. Springer Science+Business Media offers the following types of use for its content reuses either directly through RightsLink or after approval by Springer Rights and Permissions:

[Annual report](#)

[Book / Textbook](#)

[Classroom Materials / Academic Coursepack](#)

[Conference](#)

[Journal / Magazine](#)

[Movie Screening](#)

[Newspaper](#)

[Poster](#)

[Presentation/Slide Kit](#)

[Promotional Materials](#)

[Television](#)

[Thesis/Dissertation](#)

[Training Materials](#)

[Translation](#)

[Website](#)

[Purchase the Article](#)

[Springer-Owned Imprint](#)

[Other](#)

Annual report: An Annual report is a document prepared annually by a company, institute or university for submittal to the owners (stockholders) summarizing the activities of the business for the previous year. [Back to top](#)

Book / Textbook: A book license permits you to reproduce the content in any book used for educational purposes. Permission covers paper copy and CD-ROM versions, provided the CD-ROM version is not accessible online or through any other means of multi-point distribution. Permission for books is limited to the edition specified during the order process. Books are measured in units printed. During the order process you will be prompted to identify whether you are the author of the article requested and/or whether you are the author of the new edited work. Springer requires that you provide this information as well as other information (such as portion, title of your book, publisher of your book, etc.) as part of the licensing process. [Back to top](#)

Classroom Materials / Academic Coursepack

A classroom materials license permits a non-profit, academic institution to reproduce publisher's content for classroom use. Classroom use is measured in amount of students enrolled in the course. An academic coursepack license permits a non-profit, academic institution to reproduce publisher's content as part of a coursepack or e-coursepack. Coursepacks are booklets, print or electronic, of related content prepared as supplemental materials for a course of study at a school or university. E-coursepacks are online coursepacks. Coursepacks are measured in units printed. E-coursepacks are measured in amount of students enrolled in the course. [Back to top](#)

During the order process you will be prompted to identify whether you are the author of the article requested and/or whether you are an instructor in the class. Springer requires that you provide this information as well as other information (such as portion, number of attendees, name of conference, etc.) as part of the licensing process.

[Back to top](#)

Conference

A conference license permits you to reproduce publisher's content in for-profit or non-profit conference materials, according to the license granted through RightsLink. Conference materials include presentation, poster, flyer, or pack. All other conference materials require contacting Springer directly for licensing or selection of a different type of use. [Back to top](#)

Journal / Magazine

A journal license permits you to reproduce publisher's content in a printed and/or online journal. A journal is a publication that presents articles on a particular subject. Journal permission covers journals that are published and distributed no more frequently than weekly and can be distributed free of charge or for a fee to subscribers or retailers. [Back to top](#)

A magazine license permits you to reproduce publisher's content in a printed magazine. A magazine is a publication that presents articles on a variety of subjects. Magazine permission covers magazines that are published and distributed no more frequently than weekly and can be distributed free of charge or for a fee to subscribers or retailers. [Back to top](#)

Journal and magazine permissions can include use online, provided reuse is in a password-protected environment, or CD-ROM/DVD format. (See also Derivative Works.) During the order process you will be prompted to identify whether you are the author of the article requested and/or whether you are the author of the new edited work. Springer requires that you provide this information as well as other information (such title of your article, title of the journal/magazine, publisher of the journal/magazine) as part of the licensing process. [Back to top](#)

Movie Screening

A movie screening license permits you to reproduce publisher's content for in a movie screening according to the license details. Using a Springer journal cover as a prop is provided free of charge. [Back to top](#)

Newspaper

A newspaper license permits you to reproduce publisher's content in a newspaper; a publication printed frequently (daily or weekly) containing current news, periodicals, commentaries, and advertising. Your newspaper must be published in broadsheet or tabloid format and can be distributed free of charge or for a fee to subscribers or retailers. Newspaper permission does not include online distribution. Newspapers are measured in units printed. [Back to top](#)

Poster

A poster license permits you to reproduce publisher's image in a poster used either for profit (whether sold or used for advertising) or by a company distributing poster free of charge to users. [Back to top](#)

Presentation / Slide Kit

A Slide Kit / Presentation license permits you to reference the text of publisher's content in a printed or electronic presentation. Presentation permission includes either print or electronic formats of the presentation. The fee reflected is a one-time fee for the presentation specified during this order. [Back to top](#)

Promotional Materials

A promotional materials license permits you to reproduce publisher's content in for-profit promotional materials, including advertisements, banners, brochures, flyers, catalogues, e-mails, presentations, slides or slide sets, or posters. All for-profit promotional material reuses require contacting Springer directly for licensing approval. [Back to top](#)

Television

A television license permits you to reproduce publisher's content for a two-time broadcasting of 30 seconds on one network. Using a Springer journal cover as a television prop is provided free of charge. [Back to top](#)

Thesis/Dissertation

A thesis / dissertation license permits an advanced degree candidate to republish the requested material in his/her doctoral thesis or dissertation. [Back to top](#)

Training Materials

A training materials license permits you to reproduce publisher's content in for-profit or non-profit training materials, including CME (Continuing Medical Education), staff training, and workshops. Training materials may include slides, slide sets, and DVD/CD/VHS, according to the license granted. (See also Derivative Works.) During the order process you will be prompted to identify whether you are the author of the article requested and/or whether you are the author of the training materials. Springer

requires that you provide this information as well as other information (such as portion, number of attendees, name of training materials, etc.) as part of the licensing process. [Back to top](#)

Translation

Licensing rights granted through RightsLink include worldwide rights, as stated in Springer Reuse Terms. Contact Springer for specific translation requirements. [Back to top](#)

Website

A Web site license permits you to reproduce publisher's content on the Web site of a for-profit company or a not-for-profit company dependent on the number of active employees, according to the license details. Posting of one to three abstracts is available for free provided a link to the original Springer content is made available with the posting. During the order process you will be prompted to identify whether you are the author of the article requested. Springer requires that you provide this information as well as other information (such as portion, number of active employees, URL of your Web site, etc.) as part of the licensing process. [Back to top](#)

Purchase the Article

To purchase or view a PDF of the article, please close this RightsLink window and select the Add to shopping cart link above the Request Permissions link on the SpringerLink Web site. [Back to top](#)
See also [About Permissions](#).

Springer-Owned Imprint

To republish Springer content in a Springer-owned imprint, place your license request through RightsLink at no charge. For a complete list of Springer-owned imprints, please reference the Springer online list at <http://link.springer.com> [Back to top](#)

Other

To request permission for a type of use not listed, please contact [Springer Rights and Permissions Team](#).

[Back to top](#)

Tax

Springer Science+Business Media does not charge Value Added Tax (VAT) in the European Union or Non-profit Tax in the United States in its RightsLink offering of content reuse licenses. If your account is established in the European Union and you supply a VAT exemption certificate number, you are nonetheless liable to account for Value Added Tax (VAT).

[Back to top](#)

**SPRINGER NATURE LICENSE
TERMS AND CONDITIONS**

Sep 27, 2019

This Agreement between Mr. Bijo Sebastian ("You") and Springer Nature ("Springer Nature") consists of your license details and the terms and conditions provided by Springer Nature and Copyright Clearance Center.

License Number	4677240488466
License date	Sep 27, 2019
Licensed Content Publisher	Springer Nature
Licensed Content Publication	Journal of Intelligent and Robotic Systems
Licensed Content Title	Physics Based Path Planning for Autonomous Tracked Vehicle in Challenging Terrain
Licensed Content Author	Bijo Sebastian, Pinhas Ben-Tzvi
Licensed Content Date	Jan 1, 2018
Licensed Content Volume	95
Licensed Content Issue	2
Type of Use	Thesis/Dissertation
Requestor type	academic/university or research institute
Format	electronic
Portion	full article/chapter
Will you be translating?	no
Circulation/distribution	50000 or greater
Author of this Springer Nature content	yes
Title	TRAVERSABILITY ESTIMATION TECHNIQUES FOR IMPROVED NAVIGATION OF TRACKED MOBILE ROBOTS
Institution name	Virginia Polytechnic Institute and State University
Expected presentation date	Nov 2019
Requestor Location	Mr. Bijo Sebastian 1115 Progress Street NW Apt. 2 BLACKSBURG, VA 24060 United States Attn: Mr. Bijo Sebastian
Total	0.00 USD

Springer Nature Customer Service Centre GmbH Terms and Conditions

This agreement sets out the terms and conditions of the licence (the **Licence**) between you and **Springer Nature Customer Service Centre GmbH** (the **Licensor**). By clicking 'accept' and completing the transaction for the material (**Licensed Material**), you also confirm your acceptance of these terms and conditions.

1. Grant of License

1. 1. The Licensor grants you a personal, non-exclusive, non-transferable, world-wide licence to reproduce the Licensed Material for the purpose specified in your order only. Licences are granted for the specific use requested in the order and for no other use, subject to the conditions below.

1. 2. The Licensor warrants that it has, to the best of its knowledge, the rights to license reuse of the Licensed Material. However, you should ensure that the material you are requesting is original to the Licensor and does not carry the copyright of another entity (as credited in the published version).

1. 3. If the credit line on any part of the material you have requested indicates that it was reprinted or adapted with permission from another source, then you should also seek permission from that source to reuse the material.

2. Scope of Licence

2. 1. You may only use the Licensed Content in the manner and to the extent permitted by these Ts&Cs and any applicable laws.

2. 2. A separate licence may be required for any additional use of the Licensed Material, e.g. where a licence has been purchased for print only use, separate permission must be obtained for electronic re-use. Similarly, a licence is only valid in the language selected and does not apply for editions in other languages unless additional translation rights have been granted separately in the licence. Any content owned by third parties are expressly excluded from the licence.

2. 3. Similarly, rights for additional components such as custom editions and derivatives require additional permission and may be subject to an additional fee. Please apply to Journalpermissions@springernature.com/bookpermissions@springernature.com for these rights.

2. 4. Where permission has been granted **free of charge** for material in print, permission may also be granted for any electronic version of that work, provided that the material is incidental to your work as a whole and that the electronic version is essentially equivalent to, or substitutes for, the print version.

2. 5. An alternative scope of licence may apply to signatories of the [STM Permissions Guidelines](#), as amended from time to time.

3. Duration of Licence

3. 1. A licence for is valid from the date of purchase ('Licence Date') at the end of the relevant period in the below table:

Scope of Licence	Duration of Licence
Post on a website	12 months
Presentations	12 months
Books and journals	Lifetime of the edition in the language purchased

4. Acknowledgement

4. 1. The Licensor's permission must be acknowledged next to the Licenced Material in print. In electronic form, this acknowledgement must be visible at the same time as the figures/tables/illustrations or abstract, and must be hyperlinked to the journal/book's homepage. Our required acknowledgement format is in the Appendix below.

5. Restrictions on use

5. 1. Use of the Licensed Material may be permitted for incidental promotional use and minor editing privileges e.g. minor adaptations of single figures, changes of format, colour and/or style where the adaptation is credited as set out in Appendix 1 below. Any other changes including but not limited to, cropping, adapting, omitting material that affect the meaning, intention or moral rights of the author are strictly prohibited.

5. 2. You must not use any Licensed Material as part of any design or trademark.

5. 3. Licensed Material may be used in Open Access Publications (OAP) before publication by Springer Nature, but any Licensed Material must be removed from OAP sites prior to final publication.

6. Ownership of Rights

6. 1. Licensed Material remains the property of either Licensor or the relevant third party and any rights not explicitly granted herein are expressly reserved.

7. Warranty

IN NO EVENT SHALL LICENSOR BE LIABLE TO YOU OR ANY OTHER PARTY OR ANY OTHER PERSON OR FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL OR INDIRECT DAMAGES, HOWEVER CAUSED, ARISING OUT OF OR IN

CONNECTION WITH THE DOWNLOADING, VIEWING OR USE OF THE MATERIALS REGARDLESS OF THE FORM OF ACTION, WHETHER FOR BREACH OF CONTRACT, BREACH OF WARRANTY, TORT, NEGLIGENCE, INFRINGEMENT OR OTHERWISE (INCLUDING, WITHOUT LIMITATION, DAMAGES BASED ON LOSS OF PROFITS, DATA, FILES, USE, BUSINESS OPPORTUNITY OR CLAIMS OF THIRD PARTIES), AND WHETHER OR NOT THE PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION SHALL APPLY NOTWITHSTANDING ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY PROVIDED HEREIN.

8. Limitations

8. 1. *BOOKS ONLY*: Where 'reuse in a dissertation/thesis' has been selected the following terms apply: Print rights of the final author's accepted manuscript (for clarity, NOT the published version) for up to 100 copies, electronic rights for use only on a personal website or institutional repository as defined by the Sherpa guideline (www.sherpa.ac.uk/romeo/).

9. Termination and Cancellation

9. 1. Licences will expire after the period shown in Clause 3 (above).

9. 2. Licensee reserves the right to terminate the Licence in the event that payment is not received in full or if there has been a breach of this agreement by you.

Appendix 1 — Acknowledgements:

For Journal Content:

Reprinted by permission from [the Licensor]: [Journal Publisher (e.g. Nature/Springer/Palgrave)] [JOURNAL NAME] [REFERENCE CITATION (Article name, Author(s) Name), [COPYRIGHT] (year of publication)]

For Advance Online Publication papers:

Reprinted by permission from [the Licensor]: [Journal Publisher (e.g. Nature/Springer/Palgrave)] [JOURNAL NAME] [REFERENCE CITATION (Article name, Author(s) Name), [COPYRIGHT] (year of publication), advance online publication, day month year (doi: 10.1038/sj.[JOURNAL ACRONYM].)]

For Adaptations/Translations:

Adapted/Translated by permission from [the Licensor]: [Journal Publisher (e.g. Nature/Springer/Palgrave)] [JOURNAL NAME] [REFERENCE CITATION (Article name, Author(s) Name), [COPYRIGHT] (year of publication)]

Note: For any republication from the British Journal of Cancer, the following credit line style applies:

Reprinted/adapted/translated by permission from [**the Licensor**]: on behalf of Cancer Research UK: : [**Journal Publisher** (e.g. Nature/Springer/Palgrave)] [**JOURNAL NAME**] [**REFERENCE CITATION** (Article name, Author(s) Name), [**COPYRIGHT**] (year of publication)]

For **Advance Online Publication** papers:

Reprinted by permission from The [**the Licensor**]: on behalf of Cancer Research UK: [**Journal Publisher** (e.g. Nature/Springer/Palgrave)] [**JOURNAL NAME**] [**REFERENCE CITATION** (Article name, Author(s) Name), [**COPYRIGHT**] (year of publication), advance online publication, day month year (doi: 10.1038/sj. [JOURNAL ACRONYM])]

For Book content:

Reprinted/adapted by permission from [**the Licensor**]: [**Book Publisher** (e.g. Palgrave Macmillan, Springer etc) [**Book Title**] by [**Book author(s)**] [**COPYRIGHT**] (year of publication)]

Other Conditions:

Version 1.2

Questions? customercare@copyright.com or +1-855-239-3415 (toll free in the US) or +1-978-646-2777.

This Agreement between Mr. Bijo Sebastian ("You") and Springer Nature ("Springer Nature") consists of your license details and the terms and conditions provided by Springer Nature and Copyright Clearance Center.

License Number	4677250959059
License date	Sep 27, 2019
Licensed Content Publisher	Springer Nature
Licensed Content Publication	Journal of Intelligent and Robotic Systems
Licensed Content Title	Review and Analysis of Search, Extraction, Evacuation, and Medical Field Treatment Robots
Licensed Content Author	Adam Williams, Bijo Sebastian, Pinhas Ben-Tzvi
Licensed Content Date	Jan 1, 2019
Type of Use	Thesis/Dissertation
Requestor type	academic/university or research institute
Format	electronic
Portion	full article/chapter
Will you be translating?	no
Circulation/distribution	50000 or greater
Author of this Springer Nature content	yes
Title	TRAVERSABILITY ESTIMATION TECHNIQUES FOR IMPROVED NAVIGATION OF TRACKED MOBILE ROBOTS
Institution name	Virginia Polytechnic Institute and State University
Expected presentation date	Nov 2019
Requestor Location	Mr. Bijo Sebastian 1115 Progress Street NW Apt. 2 BLACKSBURG, VA 24060 United States Attn: Mr. Bijo Sebastian
Total	0.00 USD
Terms and Conditions	

Springer Nature Customer Service Centre GmbH

Terms and Conditions

This agreement sets out the terms and conditions of the licence (the **Licence**) between you and **Springer Nature Customer Service Centre GmbH** (the **Licensor**). By clicking 'accept' and completing the transaction for the material (**Licensed Material**), you also confirm your acceptance of these terms and conditions.

1. Grant of Licence

- 1. 1.** The Licensor grants you a personal, non-exclusive, non-transferable, world-wide licence to reproduce the Licensed Material for the purpose specified in your order only. Licences are granted for the specific use requested in the order and for no other use, subject to the conditions below.
- 1. 2.** The Licensor warrants that it has, to the best of its knowledge, the rights to license reuse of the Licensed Material. However, you should ensure that the material you are requesting is original to the Licensor and does not carry the copyright of another entity (as credited in the published version).
- 1. 3.** If the credit line on any part of the material you have requested indicates that it was reprinted or adapted with permission from another source, then you should also seek permission from that source to reuse the material.

2. Scope of Licence

- 2. 1.** You may only use the Licensed Content in the manner and to the extent permitted by these Ts&Cs and any applicable laws.
- 2. 2.** A separate licence may be required for any additional use of the Licensed Material, e.g. where a licence has been purchased for print only use, separate permission must be obtained for electronic re-use. Similarly, a licence is only valid in the language selected and does not apply for editions in other languages unless additional translation rights have been granted separately in the licence. Any content owned by third parties are expressly excluded from the licence.
- 2. 3.** Similarly, rights for additional components such as custom editions and derivatives require additional permission and may be subject to an additional fee. Please apply to Journalpermissions@springernature.com/bookpermissions@springernature.com for these rights.
- 2. 4.** Where permission has been granted **free of charge** for material in print, permission may also be granted for any electronic version of that work, provided that the material is incidental to your work as a whole and that the electronic version is essentially equivalent to, or substitutes for, the print version.
- 2. 5.** An alternative scope of licence may apply to signatories of the [STM Permissions Guidelines](#), as amended from time to time.

3. Duration of Licence

3. 1. A licence for is valid from the date of purchase ('Licence Date') at the end of the relevant period in the below table:

Scope of Licence	Duration of Licence
Post on a website	12 months
Presentations	12 months
Books and journals	Lifetime of the edition in the language purchased

4. Acknowledgement

4. 1. The Licensor's permission must be acknowledged next to the Licenced Material in print. In electronic form, this acknowledgement must be visible at the same time as the figures/tables/illustrations or abstract, and must be hyperlinked to the journal/book's homepage. Our required acknowledgement format is in the Appendix below.

5. Restrictions on use

5. 1. Use of the Licensed Material may be permitted for incidental promotional use and minor editing privileges e.g. minor adaptations of single figures, changes of format, colour and/or style where the adaptation is credited as set out in Appendix 1 below. Any other changes including but not limited to, cropping, adapting, omitting material that affect the meaning, intention or moral rights of the author are strictly prohibited.

5. 2. You must not use any Licensed Material as part of any design or trademark.

5. 3. Licensed Material may be used in Open Access Publications (OAP) before publication by Springer Nature, but any Licensed Material must be removed from OAP sites prior to final publication.

6. Ownership of Rights

6. 1. Licensed Material remains the property of either Licensor or the relevant third party and any rights not explicitly granted herein are expressly reserved.

7. Warranty

IN NO EVENT SHALL LICENSOR BE LIABLE TO YOU OR ANY OTHER PARTY OR ANY OTHER PERSON OR FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL OR INDIRECT DAMAGES, HOWEVER CAUSED, ARISING OUT OF OR IN

CONNECTION WITH THE DOWNLOADING, VIEWING OR USE OF THE MATERIALS REGARDLESS OF THE FORM OF ACTION, WHETHER FOR BREACH OF CONTRACT, BREACH OF WARRANTY, TORT, NEGLIGENCE, INFRINGEMENT OR OTHERWISE (INCLUDING, WITHOUT LIMITATION, DAMAGES BASED ON LOSS OF PROFITS, DATA, FILES, USE, BUSINESS OPPORTUNITY OR CLAIMS OF THIRD PARTIES), AND WHETHER OR NOT THE PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION SHALL APPLY NOTWITHSTANDING ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY PROVIDED HEREIN.

8. Limitations

8. 1. *BOOKS ONLY:* Where 'reuse in a dissertation/thesis' has been selected the following terms apply: Print rights of the final author's accepted manuscript (for clarity, NOT the published version) for up to 100 copies, electronic rights for use only on a personal website or institutional repository as defined by the Sherpa guideline (www.sherpa.ac.uk/romeo/).

9. Termination and Cancellation

9. 1. Licences will expire after the period shown in Clause 3 (above).

9. 2. Licensee reserves the right to terminate the Licence in the event that payment is not received in full or if there has been a breach of this agreement by you.

Appendix 1 — Acknowledgements:

For Journal Content:

Reprinted by permission from [the Licensor]: [Journal Publisher (e.g. Nature/Springer/Palgrave)] [JOURNAL NAME] [REFERENCE CITATION (Article name, Author(s) Name), [COPYRIGHT] (year of publication)]

For Advance Online Publication papers:

Reprinted by permission from [the Licensor]: [Journal Publisher (e.g. Nature/Springer/Palgrave)] [JOURNAL NAME] [REFERENCE CITATION (Article name, Author(s) Name), [COPYRIGHT] (year of publication), advance online publication, day month year (doi: 10.1038/sj.[JOURNAL ACRONYM].)]

For Adaptations/Translations:

Adapted/Translated by permission from [the Licensor]: [Journal Publisher (e.g. Nature/Springer/Palgrave)] [JOURNAL NAME] [REFERENCE CITATION (Article name, Author(s) Name), [COPYRIGHT] (year of publication)]

Note: For any republication from the British Journal of Cancer, the following credit line style applies:

Reprinted/adapted/translated by permission from [**the Licensor**]: on behalf of Cancer Research UK: : [**Journal Publisher** (e.g. Nature/Springer/Palgrave)] [**JOURNAL NAME**] [**REFERENCE CITATION** (Article name, Author(s) Name), [**COPYRIGHT**] (year of publication)]

For **Advance Online Publication** papers:

Reprinted by permission from The [**the Licensor**]: on behalf of Cancer Research UK: [**Journal Publisher** (e.g. Nature/Springer/Palgrave)] [**JOURNAL NAME**] [**REFERENCE CITATION** (Article name, Author(s) Name), [**COPYRIGHT**] (year of publication), advance online publication, day month year (doi: 10.1038/sj. [JOURNAL ACRONYM])]

For Book content:

Reprinted/adapted by permission from [**the Licensor**]: [**Book Publisher** (e.g. Palgrave Macmillan, Springer etc) [**Book Title**] by [**Book author(s)**] [**COPYRIGHT**] (year of publication)]

Other Conditions:

Version 1.2

Questions? customercare@copyright.com or +1-855-239-3415 (toll free in the US) or +1-978-646-2777.

ASME Permission

Permission to republish for my dissertation

Beth Darchi <DarchiB@asme.org>
To: Bijo Sebastian <bijo7@vt.edu>

Fri, Oct 4, 2019 at 3:57 PM

Dear Mr. Sebastian,

It is our pleasure to grant you permission to use **all or any part of** the following ASME papers:

- Sebastian, B., Ben-Tzvi, P., "Active disturbance rejection control for handling slip in tracked vehicle locomotion", Journal of Mechanisms and Robotics, Transactions of the ASME, Vol.11, Issue 2, pp. 021003:1-12, April 2019.
- Sebastian, B., Williams, A., Ben-Tzvi, P., "Gaussian Kernel Controller for Path Tracking in Mobile Robots", Proceedings of the 2018 ASME IDETC/CIE, 42nd Mechanisms & Robotics Conference, Quebec City, Canada, Aug. 26-29, 2018.
- Sebastian, B., Williams, A., Ben-Tzvi, P., "Control of a Head Stabilization System for Use in Robotic Disaster Response", Proceedings of the 2017 ASME International Mechanical Engineering Congress and Exposition (IMECE 2017), Tampa, Florida, Nov. 3–9, 2017.

cited in your letter for inclusion in a doctoral dissertation entitled Traversability estimation techniques for improved navigation of tracked mobile robots to be published by Virginia Polytechnic and State University.

Permission is granted for the specific use as stated herein and does not permit further use of the materials without proper authorization. Proper attribution must be made to the author(s) of the materials. **Please note:** if any or all of the figures and/or Tables are of another source, permission should be granted from that outside source or include the reference of the original source. ASME does not grant permission for outside source material that may be referenced in the ASME works.

As is customary, we request that you ensure full acknowledgment of this material, the author(s), source and ASME as original publisher. Acknowledgment must be retained on all pages where figure is printed and distributed.

Many thanks for your interest in ASME publications.

Sincerely,

Beth Darchi

Publishing Administrator

ASME

[2 Park Avenue](#)

[New York, NY 10016-5990](#)

Tel 1.212.591.7700

darchib@asme.org

From: Bijo Sebastian [mailto:bijo7@vt.edu]

Sent: Friday, September 27, 2019 4:27 PM

To: permissions@asme.org

Cc: Ben-Tzvi, Pinhas <bentzvi@vt.edu>

Subject: Permission to republish for my dissertation

This Message Came From Outside of ASME.

[Quoted text hidden]