

IEEE COPYRIGHT FORM

This form is intended for original, previously unpublished manuscripts submitted to IEEE periodicals and conference publications. *The signed form, appropriately completed, MUST ACCOMPANY any such paper in order to be published by IEEE.* Please read all notes overleaf and keep a copy of both sides for your files.

SIGNED FORM SHOULD
ACCOMPANY MSS. OR BE
SENT TO SAME ADDRESS

TITLE OF PAPER (hereinafter, "the work"):

AUTHOR(S)

PUBLICATION TITLE/DATE: IEEE Transactions on Microwave Theory and Techniques

PART A - COPYRIGHT TRANSFER FORM

(Note: Company or other forms MAY NOT BE SUBSTITUTED for this form. WORDING MAY NOT BE CHANGED. U.S. Government employees whose work is not subject to U.S. copyright may so certify by signing Part B below. Authors of works subject to Crown Copyright may sign Part C overleaf.)

The undersigned hereby transfer any and all rights in and to the work including without limitation all copyright rights in the above work to The Institute of Electrical and Electronics Engineers, Inc., known as the IEEE. The undersigned hereby represents and warrants that the work is original and that he/she is the author of the work, except possibly for material such as text passages, figures, and data that are clearly identified as to the original source, with permission notices from the copyright owners where required. The undersigned represents that he/she has the power and authority to make and execute this assignment.

Returned and Retained Rights: In return for these rights, the IEEE recognizes the retained rights noted in Items 1 and 4 below, and grants to the above authors and employers for whom the work was performed royalty-free permission to reuse their material as noted in Items 2 and 3. Item 5 stipulates that authors and employers must seek permission to republish in cases not covered by Items 2, 3, and 4.

1. Employers (or authors) retain all proprietary rights in any process, procedure, or article of manufacture described in the work.
2. Authors/employers may reproduce or authorize others to reproduce the above work, material extracted verbatim from the above work, or derivative works for the author's personal use or for company use provided that the source and the IEEE copyright notice are indicated, that the copies are not used in any way that implies IEEE endorsement of a product or service of an employer, and that the copies per se are not offered for sale. (See "Author/Employer Rights" overleaf.)
3. Authors/employers may make limited distribution of all or portions of the above work prior to publication if they inform the IEEE of the nature and extent of such limited distribution prior thereto.
4. In the case of work performed under a U.S. Government contract or grant, IEEE recognizes that the U.S. Government has royalty-free permission to reproduce all or portions of the above work, and to authorize others to do so, for official U.S. Government purposes only, if the contract/grant so requires. (Appropriate documentation may be attached, but IEEE's Copyright Form MUST BE SIGNED. See "U.S. Government Employees/U.S. Government Contract Work" overleaf.)
5. Authors/employers must request permission from the IEEE Copyright Office to reproduce or authorize the reproduction of the work or material extracted verbatim from the work, including figures and tables, for all circumstances not covered by Items 2, 3, and 4.

Please see overleaf for notes on "IEEE Obligations" as copyright holder.

In the event the above paper is not accepted and published by the IEEE or is withdrawn by the author(s) before acceptance by the IEEE, this agreement becomes null and void.

AUTHORIZED SIGNATURE (see over: Author/Employer Rights)

TITLE OF SIGNEE

EMPLOYER FOR WHOM WORK WAS PERFORMED

DATE FORM SIGNED

PART B - U.S. GOVERNMENT EMPLOYEE CERTIFICATION

(Note: If your work was performed under Government contract but you are not a Government employee, sign transfer form above and see Item 4 under Returned and Retained Rights.)

This will certify that **all** authors of the above work are employees of the U.S. Government and performed this work as part of their official duties and that the work is therefore not subject to U.S. copyright protection.

AUTHORIZED SIGNATURE (see over: Author/Employer Rights)

TITLE OF SIGNEE

NAME OF GOVERNMENT ORGANIZATION

DATE FORM SIGNED

PART C - CROWN COPYRIGHT

(Note: IEEE recognizes and will honor Crown Copyright as it does U.S. Government work. It is understood that, in asserting Crown Copyright, IEEE in no way diminishes its rights as publisher. Sign only if **ALL** authors are subject to Crown Copyright.)

This will certify that **all** authors of the above work are subject to Crown Copyright. (Appropriate documentation and instructions regarding form of Crown Copyright notice may be attached.)

AUTHORIZED SIGNATURE (see below: Author/Employer Rights)

TITLE OF SIGHNEE

NAME OF GOVERNMENT BRANCH

DATE FORM SIGNED

Notes and Information for Authors and Their Employers

IEEE POLICY

In connection with its publishing activities, it is the formal policy of the IEEE to own the copyrights to all copyrightable material in its technical publications, and to the individual contributions contained therein, in order to protect the interests of the IEEE, its authors and their employers, and, at the same time, to facilitate the appropriate re-use of this material by others. The IEEE distributes its technical publications throughout the world and does so by various means such as hard copy, microfiche, microfilm and electronic media. It also abstracts and may translate its publications, and articles contained therein, for inclusion in various compendiums and similar publications, etc. When an article is submitted for publication to the IEEE, the IEEE understands that its acceptance of the article implies that IEEE has the rights to do all of the things it normally does with such an article.

The following formal IEEE policy applies to all material submitted to IEEE:

IEEE Policy 6.17 - CLEARANCE OF PAPERS

The IEEE must of necessity assume that material presented at its meetings or submitted to its publications is properly available for general dissemination to the audiences these activities are organized to serve. It is the responsibility of the authors, not the IEEE, to determine whether disclosure of their material requires the prior consent of other parties and, if so, to obtain it.

Furthermore, IEEE must assume that if an author uses within his/her article previously published and/or copyrighted material permission has been obtained for such use and that any required credit lines, copyright notices, etc. are duly noted.

IEEE OBLIGATIONS

In exercising its rights under copyright, the IEEE will make all reasonable efforts to act in the interests of the authors and employers as well as in its own interest. In handling third party reprint/republishing requests for an IEEE work, IEEE requires that:

1. The consent of the first-named author be sought as a condition in granting republication (of a full paper) to others.
2. The consent of the employer be obtained as a condition in granting permission to others to re-use all or portions of a paper for promotion or marketing purposes.

AUTHOR/EMPLOYER RIGHTS

If you are employed and you prepared your paper as a part of your job, the rights to your paper initially rest with your employer. In that case, when you sign the copyright transfer form, we assume you are authorized to do so by your employer and that your employer has consented to all the terms and conditions of this form. If not, it should be signed by someone so authorized. (See also Policy 6.17 above.)

SPECIAL NOTE TO EMPLOYERS: Just as the IEEE requires a signed copyright transfer form (for copyrightable material) in order to do "business as usual," it is the intent of the transfer portion of the form to return rights to the author and employer so that they, too, may do "business as usual." (See note at bottom of page re. further details.)

Please note that, although authors are permitted to reuse all or portions of their IEEE-copyrighted material in other works, this does not include granting third party requests for reprinting, republishing or other types of re-use. All third party requests must be handled by the IEEE Copyrights Office. (See note at bottom of page.)

JOINT AUTHORSHIP

For jointly authored papers, have all the joint authors sign, or at least have one of the authors sign as an authorized agent for the others. In the case of multiple authorship where one or more authors are U.S. Government employees but at least one author is not, that non-Government author should sign Part A of this copyright transfer form.

U.S. GOVERNMENT EMPLOYEES/U.S. GOVERNMENT CONTRACT WORK

Authors who are U.S. Government employees are not required to sign the copyright transfer form, but any coauthors outside the Government are required to sign. (See JOINT AUTHORSHIP above.)

Authors whose work was performed under a U.S. Government contract or grant, **but who are not U.S. Government employees** are required to sign Part A of this copyright transfer form.

PLEASE DIRECT ALL QUESTIONS ABOUT IEEE COPYRIGHT POLICY OR THIS FORM TO:

Copyrights Manager, IEEE Service Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331. Telephone: (908) 562-3966