



IEEE Xplore Resources and Help

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Working with Documents

Learn more about working with documents on IEEE Xplore.

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Definitions of Terms and Keywords on IEEE Xplore

Various types of keywords are available to assist with retrieval of results and search rankings as well as discovering other relevant content.

IEEE Keywords

IEEE Keywords are [IEEE Thesaurus](#) terms assigned to content using a combination of machine-aided indexing and manual tagging.

Index Terms

Index terms are created using an automated machine learning and natural language process that considers keywords included in metadata fields and article full-text.

Author Keywords

Author keywords are terms assigned by the author upon submission.



ASH Terms

Medical subject headings are assigned to select content in biomedical topics based on the controlled vocabulary produced by the United States [National Library of Medicine \(NLM\)](#), an institute within the [National Institutes of Health](#).

PACS Terms

The Physics and Astronomy Classification Scheme (PACS) is a scheme developed in 1970 by the American Institute of Physics (AIP) for classifying scientific literature using a hierarchical set of codes. A small subset of articles in IEEE Xplore have PACS terms applied.

Experiencing Supplemental Items

Some documents in IEEE *Xplore* contain Media, Video, Datasets, and/or Code to illustrate concepts described by the author(s). This helps authors produce information that can be more accessible and reproducible.

Select the applicable Supplemental Items icon when on a search results or table of contents page to view the item on a document page.



If you are on a document page that has Supplemental Items, you will see a clickable tab in the left-hand and bottom navigation accordions.

You can also filter by Supplemental Items on the search results page.

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Alessandro De Luca Education (1) Sort

ORCID ID
ID: orcid.org/0000-0002-0713-5608

Country: Italy

Sapienza Università di Roma: Roma, Italy
1984 to 1987
PhD in Systems Engineering
Source: Alessandro De Luca
Created: 2015-08-04

Publication Dates

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Courses show the month and year of publication. Some older courses include the label "Reaffirmed" to indicate the course was reevaluated to ensure its contents are up-to-date and relevant.

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