

ISSN 2310-6697

toiser—open transactions on independent scientific-engineering research

# FUNKTECHNIKPLUS # JOURNAL

Théorie—Expérimentation—Métrologie—Logiciel—Applications

ISSUE 35 — MONDAY 30 SEPTEMBER 2024 — YEAR 12 — PERIOD B'

ONLINE

***About***

EDITION 5



## About

*This small European Journal is  
In the Defense of Honesty in Science and Ethics in Engineering*

### Period B'

Previous Period 2013-2024

### Publisher

otoiser–open transactions on independent scientific  
engineering research

ARG IAOI NFI Lab–Antennas Research Group Informal  
Association Of Individuals No Finance Involved Laboratory  
Scheiblingkirchen, Austria

**Language** – We emphasize the European Origins of our Journal by using English, German and French in its title, as well as, a Hellenic vignette in the front page. However, since we recognize the dominance of US English in the technical literature, we adopted it as the Journal's language.

**Focus** – We consider Radio–FUNK, which still creates a vivid impression of the untouchable, and its Technology–TECHNIK, from an Advanced–PLUS point of view, Plus–PLUS Telecommunications Engineering, Electrical Engineering and Computer Science, that is, we dynamically focus at any related scientific-engineering research regarding Théorie, Experimentation, Métrologie, Logiciel, ou Applications.

**Scope** – We emphasize the scope broadness by extending the title of the Journal with a Doppelkreuz-Zeichen # which we use as a placeholder for the substitution of its disciplines

**Frequency** – Excluding *forces majeures*, we publish 3 issues per year: on 31st of January, on 31st of May, and on 30th of September.

**Editions** – We increase the edition number of an issue only when is absolutely needed to reform one or more of its papers—thus to increase their version numbers—but we keep unchanged its 1st edition date shown on its front page and we number its pages sequentially from 1. We count the editions of *About* separately.

**Format** – We use a fixed-space font, hyphenation, justification, unfixed word spacing, and the uncommon for Journals A5 (half A4) page size to achieve WYSIWYG printing and clear reading of 2 to 4 side-by-side pages on wide-screen displays.

**Copyright** – We publish under the Creative Commons Attribution CC-BY 3.0 Unported or CC-BY 4.0 International Licenses.

## **About**

### **Editorial Group**

#### **# Electrical Engineering**

# High Voltage Engineering # Insulating Materials

Professor Michael Danikas, mdanikas@ee.duth.gr  
EECE, Democritus University of Thrace, Greece

Professor Ramanujam Sarathi, sarathi@ee.iitm.ac.in  
EE, Indian Institute of Technology Madras, India

#### **# Telecommunications Engineering**

# Antennas # Metrology # EM Software # Simulation # Virtual Labs  
# Applied EM # Education # FLOSS # Amateur Radio # Electronics

Dr. Nikolitsa Yannopoulou, yin@arg.op4.eu \*  
Diploma Eng-EE, MEng-Telecom-EECE, PhD-Eng-Antennas-EECE  
Independent Researcher, Scheiblingkirchen, Austria

Dr. Petros Zimourtopoulos, pez@arg.op4.eu \*  
BSc-Physics, MSc-Radio-Electronics, PhD-Antennas-EE  
Independent Researcher, Scheiblingkirchen, Austria

\* Copy and Layout Editing, Proof Reading, Issue and Website  
Management, Paper and About Reprints, Volumes and Web Pages

## **About**

### **Submissions**

We can only consider papers written in the preferable and recommended odt format of LibreOffice, or even a paper in the MS Office with MathType doc format, if it would be proved that it is fully compatible with LibreOffice indeed.

**Legal Notice** – It is taken for granted that the submitter–correspondent author accepts, without any reservation, the totality of our publication conditions as they are analytically detailed here, in this *About*, as well as, that he also carries, in the case of a paper by multiple authors, the independent will of each one of his co-authors to unreservedly accept all the aforementioned conditions for their paper.

### **Electronic Publishing**

We regularly use the Free Libre Open Source Software Libre Office with the Free Liberation Mono font and the Freewares PDFCreator and PDF-Xchange Viewer. We also use some basic html code of ours and the Free Open Digital Library of Internet Archive website, where we upload the FTP#J Collection of Issues, Paper reprints, *About* documents, and Volumes, in both portrait and landscape orientations, for download or very clear online reading with the Free Open Source BookReader.

### **Internet Addresses**

**Submissions** : sub@ftpj.otoiser.org

**Send Updates** : updates@ftpj.otoiser.org

**Paper Template** : <https://www.template.ftpj.otoiser.org>

**Reference Updates** : <https://www.updates.ftpj.otoiser.org>

**Internet Publishing** : <https://www.ftpj.otoiser.org>

**The FTP#J Collection at Internet Archive Digital Library** :  
<https://archive.org/details/@funktechnikplusjournal>

Please download the latest *About* edition from  
<https://about.ftpj.otoiser.org>

---

*This document is licensed under a Creative Commons Attribution 4.0 International License – <https://creativecommons.org/licenses/by/4.0>*

[ This Page Intentionally Left Blank ]

In case of any doubt,  
download the genuine papers from  
<https://genuine.ftpj.otoiser.org>

**ARG NfP AoI**

Antennas Research Group  
Not-for-Profit Association of Individuals [\*]  
www.arg.op4.eu – arg@op4.eu  
Scheiblingkirchen, Austria

- \* The Constitution of Greece, Article 12(3) – 2008:  
[www.hellenicparliament.gr/en/Vouli-ton-Ellinon/To-Politevma](http://www.hellenicparliament.gr/en/Vouli-ton-Ellinon/To-Politevma)
- \* The Hellenic Supreme Court of Civil and Penal Law:  
[www.areiospagos.gr/en](http://www.areiospagos.gr/en) – Court Rulings:Civil|A1|511|2008

## FRONT COVER VIGNETTE

A faded synthesis of an anthemion rooted in a meandros

The thirteen-leaf is a symbol for a life tree leaf.  
"Herakles and Kerberos", ca. 530–500 BC,  
by Paseas, the Kerberos Painter,  
Museum of Fine Arts, Boston.

[www.mfa.org/collections/object/plate-153852](http://www.mfa.org/collections/object/plate-153852)

The simple meandros is a symbol for eternal immortality.  
"Warrior with a phiale", ca. 480–460 BC,  
by Berliner Maler,  
Museo Archeologico Regionale "Antonio Salinas" di Palermo.

[commons.wikimedia.org/wiki/File:Warrior\\_MAR\\_Palermo\\_NI2134.jpg](https://commons.wikimedia.org/wiki/File:Warrior_MAR_Palermo_NI2134.jpg)