

15 YEARS OF “ACTA TECHNICA NAPOCENSIS - ELECTRONICS AND TELECOMMUNICATIONS” JOURNAL

Editorial Paper

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Editor in Chief

I. THE BEGINNING

In early 1997, a group of enthusiasts gathered in the first Editorial Committee, began publishing a new Journal in Electronics and Telecommunications, Acta Technica Napocensis - Electronics-Telecommunications.

This first editorial committee was headed by an outstanding personality of Technical University of Cluj-Napoca, Professor Miron Costin.

This wasn't the first attempt to establish a representative Journal for the new founded Electronics and Telecommunications faculty. In 1994 Professor Gavril Todorean tried to launch a permanent edition of the Journal under this name, but only an edition was issued.

During the first years (starting with 1997), the Editorial Committee had, among others, Cosmin Strilechi, Cristian Farcas, Nicolae Crisan, Alin Grama, Doris Lupea Cspikes, Corneliu Rusu, Mircea Giurgiu, as key members.

Objectives at that time were set in the message displayed on the website, even today:

“The Journal: “ACTA TECHNICA NAPOCENSIS ELECTRONICA-TELECOMUNICATII (ELECTRONICS AND TELECOMMUNICATIONS)” ISSN 1221-6542 from Technical University of Cluj-Napoca, Faculty of Electronics, Telecommunications and Information Technology have the aim to promote new ideas and results of the research effort of the educational and research staff. In this frame it can be seen as a mirror of

research activity not only of professors or PhD graduate students, but also of different members of the scientific community worldwide. Technical papers with applied purposes are also encouraged for publication. The Journal is continuing the tradition of the Electrical Engineering Section of “Scientific Bulletin of the Polytechnic Institute of Cluj-Napoca”, with a rich history going back to 1961.

The main objective is to disseminate the current results of fundamental and applied research of the members of the faculty. The editorial board encourages the collaboration with other researchers from different universities in the country or outside the country. In this frame our intention is to transform our national journal in an international one.”

From 1997 to 2005 the Journal had two editions yearly.

The number of papers ranged from a few in the early years, to 20-25 in 2005-2006. The evolution of the number of papers, including the papers with foreign authors, is presented in Figure 1.

Starting with 2006 a new Editorial Committee was established, under the supervision of Professor Radu Arsinte.

The constant effort to improve the prestige and quality of the Journal is revealed by the new composition of the Editorial Board. In this moment we have professors and researchers from the following countries: Belgium, Spain,

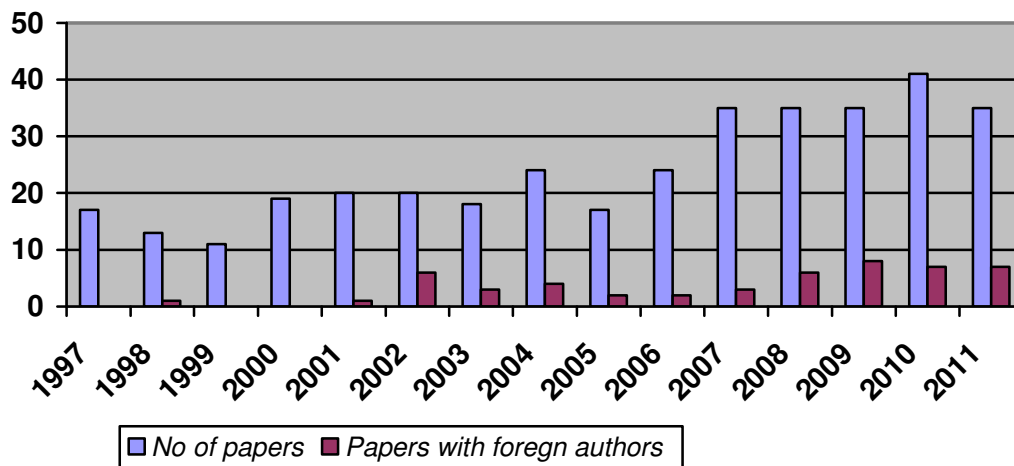


Figure 1. Evolution of number of papers in different years

Slovakia, Korea, Greece, France, UK. The Editorial Board comprises also the most important personalities in this area of electronics and telecommunications in Romania.

The quality of the Journal is preserved by peer reviewing, the members of the Editorial Board being assisted by a group of recognized specialists from the Scientific Board.

Beginning with the year 2006 it was decided to proceed to a total of four editions per year, in an attempt to confirm and raise the professional standings of the Journal.

Since 2007 the four issues yearly are constant. The number of papers in the last five years is constantly around 35-40.

II. JOURNAL STATISTICS

The topics of the journal are placed at the border of pure electronics and telecommunications with computer science.

Thus we are receiving papers from all over the world in different areas listed below: *Audio Processing, Antennas and Propagation, Biomedical Engineering, Broadcasting, Circuits and Devices, Circuits and Systems, Computational Biology, Computer-Aided Design, Computer Graphics, Computers Architecture, Consumer Electronics, Control in Electronics and Telecommunication, Education in Electronics and Telecommunication, Electromagnetic Compatibility, Electron Devices, Electronic and Communication Systems, Electronic Design, Electronics Technologies, Evolutionary Computation, Fuzzy Systems, Image Processing, Industrial Electronics, Information Security, Information Theory, Instrumentation and Measurement, Intelligent Systems, Knowledge and Data Engineering, Light Waves, Machine Intelligence, Medical Imaging, Microwaves, Multimedia, Nanotechnology, Networks, Neural Networks, Pattern Analysis, Photonics, Power Electronics, Processing, Sensors, Software Engineering for Electronics and Telecommunication, Solid State Circuits, Speech Processing, Testing, Video Technology, VLSI, Wireless Technology.*

A brief analysis of the papers allows building a statistics of topics. This statistics revealed that the topics in signal and image processing and networking are frequent in the last years compared with classical electronics and telecommunications topics.

III. JOURNAL INDEXING

Regarding international journal indexing, this started in 2007 with Cambridge Scientific Abstracts, by indexing the abstracts of the period 1997-2006.

The Journal has a permanent support site (since 2007) allowing an international visibility through search engines like Google, Yahoo or Microsoft Academic Search.

This allows indexation in other international databases ProQuest CSA's Technology Research Database (TRD), Metadex, Scirus, ArXiv, getCITED, GoogleScholar, JournalSeek, CERN Documents Server (CDS), NEBIS, ICAAP, German National Library of Science and Technology, Computer Science Bibliography, CiteSeer, IndexCopernicus (ICV 2009-4.19 2010-4.94), VINITI (Russia), Ulrich's Periodicals Directory, PerAbs, EBSCOHost Online Research Databases.

In the years that followed we have signed contracts with other recognized international databases: ProQuest, EBSCO, IndexCopernicus. This led to increased visibility of the Journal and its appearance citation databases, including ISI.

As an example, Cited Reference Search of ISI Web of Knowledge, is mentioning Acta Technica Napocensis, as a source in citations, in 86 documents, in the last years.

Indexing abstracts (in IndexCopernicus) and full indexation (in ProQuest and EBSCO) allows the access to scientific production promoted by the Journal, to a large number of researchers from various countries.

As an example of this increased visibility, in Table 1 we are presenting statistics of abstracts accessing in the IndexCopernicus database (2009-2011).

Table 1

Country	Visits
Romania	620
United States	333
China	147
Unknown	65
India	27
France	12
Italy	12
Algeria	11
Russian Federation Serbia, Germany	9
Hungary, Poland, United Kingdom	6
Ukraine, India	5
Bangladesh, Japan, Slovenia, Spain	4
Czech Republic, Malaysia, Senegal, Slovakia, Spain	3
United States	3
Belgium, Bosnia and Herzegovina, Canada, Netherlands, Norway, Tunisia, Turkey	2
Cameroon, Egypt, Finland, Iran, Iraq, Jordan, Kazakhstan, Korea, Luxembourg, Mongolia, Nepal, Philippines, South Africa, United Arab Emirates	1

IV. THE FUTURE

We are grateful to all those who are supporting the Journal: editors, authors, experts, members of the University and Faculty staffs.

The following years will be crucial for the future of the Journal. We will try to extend the Journal indexation in different databases, like Scopus, Springerlink, but our goal is to reach the level allowing the indexation in Thomson ISI database.

A new editorial system program will improve the quality of papers, making the Journal 100% compatible with major databases.

The international character of the Journal will be emphasized attracting and encouraging the papers with foreign authors.

All the achievements will be posted promptly on the Journal website:

<http://users.utcluj.ro/~atn>

Be with us and keep supporting the activity of the Journal!