



*International Journal of Intelligent Automation and Soft Computing (AutoSoft)*  
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## **Special Issue on Soft Computing for Copyright Protection**

### **Introduction**

In today's digital age, however, the creation, transmission and manipulation of digital media content, such as images, audios and videos, are made simple through digital processing tools that are easily and widely available. As a consequence, piracy that copies, tampers and retransmits the media content becomes easier and easier and more and more popular now. It brings large number of losses to content producers or service providers. Thus, finding copyright protection means that detect, prevent and authenticate the media content's copyrights becomes more and more urgent.

In the past decade, some means have been proposed and used for copyright protection, such as digital watermarking for ownership protection, multimedia authentication for tampering detection, digital fingerprinting for traitor tracing, perceptual hash for copy tracking and piracy search, etc. In these means, soft computing techniques, such as Fuzzy Logic, Neural Networks, Evolutionary Computing, Rough Sets and other similar techniques, play an important role. Their capabilities of learning, adaptation, recognition and classification have been proved effective in forgery detection, copy detection, pirate copy index, multi-mode user authentication, etc.

This special issue aims to bring together the latest research work in the area of soft computing based copyright protection techniques, investigate the novel solutions and discuss the future trends in this field.

### **Topics**

The paper may focus on architecture construction, algorithm designing or hardware implementation of soft computing based copyright protection solutions. Both review paper and technical paper are expected. The topics include but are not limited to

- Ownership protection of media copy
- Tampering detection in media content
- Forgery detection of media content
- Traitor tracing of illegal distributors
- Copy tracking of media usage
- Database management of media content
- Piracy search and catching in network environment
- Conditional Access for media receiving
- Digital Rights Management for media distribution
- Multi-mode interface for user authentication
- Tamper-resistant hardware for media storage or access

### **Submission**

Concerning the preparation of the manuscript, please refer to the "Instructions for Contributors" page at the journal website, <http://wacong.org/autosoft/auto/>. Further, the manuscript must be submitted in the form of PDF file to one of the guest editors. The submission must include the title, abstract of your paper, and the corresponding author's name and affiliation. All papers will be rigorously reviewed based on the quality: originality, high scientific quality, well organized and clearly written, sufficient support for assertions and conclusion.

Please note that AutoSoft Journal has a nominal page charge of US \$500 per 12 final pages and \$100 per page afterwards. This contribution to expenses of the journal will bring with it a full 1-year subscription, 25 reprints. AutoSoft is the world's first technical journal on soft computing (computational intelligence) and it is now indexed by Science Citation Index Expand (SCI-E) and Elsevier Publishers in Amsterdam.

**Important Dates**

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