# Special Issue of "RIA"

## New frontiers for Artificial Intelligence in Finance

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In recent years, the world of Finance has benefited from a tremendous stream of innovation coming from the computer science community. Among others, simulation techniques have allowed to test new methods in algorithmic trading while new regulation or market innovations have imposed to optimize the automation of trade execution, in an increasingly complex financial system. Artificial Intelligence, in this context, finds a new field of amazing applications.

This special issue of RIA (`http://ria.revuesonline.com/`), the French leader journal in Artificial Intelligence, will focus on the application of all artificial intelligence and related computational techniques applied to the main issues in finance (Agent-Based Modeling, evolutionary algorithms, machine learning, optimization, distributed architectures ...). Areas of special interest include *but are not limited to* simulation, algorithmic trading, agent-based artificial markets, smart order routing, high performance trading.

Papers should be primarily focused on the artificial intelligence computational techniques used to address the topic.

RIA is indexed in Scopus, in Pascal-INIST-CNRS and by DBLP.uni-trier.de.

**Important dates :**
- Deadline for submission : May, $30^{th}$, 2011
- Notification of preliminary acceptance (first round) : July, $15^{th}$, 2011
- If modification are needed, deadline for delivering a revised version : October, $1^{st}$, 2011
- Notification of final acceptance : November, $1^{st}$, 2011
- Tentative publication date : beginning of 2012

Papers should not exceed 30 pages. Please, refer to the website for formatting instructions.

All propositions must be sent to `philippe.mathieu@univ-lille1.fr`