

## Lecture Notes in Computer Science

The LNCS series reports state-of-the-art results in computer science research, development, and education, at a high level and in both printed and electronic form. Enjoying tight cooperation with the R&D community, with numerous individuals, as well as with prestigious organizations and societies, LNCS has grown into the most comprehensive computer science research forum available.

The scope of LNCS, including its subseries LNAI and LNBI, spans the whole range of computer science and information technology including interdisciplinary topics in a variety of application fields. The type of material published traditionally includes

- proceedings (published in time for the respective conference)
- post-proceedings (consisting of thoroughly revised final full papers)
- research monographs (which may be based on outstanding PhD work, research projects, technical reports, etc.)

More recently, several color-cover sublines have been added featuring, beyond a collection of papers, various added-value components; these sublines include

- tutorials (textbook-like monographs or collections of lectures given at advanced courses)
- state-of-the-art surveys (offering complete and mediated coverage of a topic)
- hot topics (introducing emergent topics to the broader community)

In parallel to the printed book, each new volume is published electronically in LNCS Online.

Detailed information on LNCS can be found at  
[www.springer.com/lncs](http://www.springer.com/lncs)

Proposals for publication should be sent to  
LNCS Editorial, Tiergartenstr. 17, 69121 Heidelberg, Germany  
E-mail: [lncs@springer.com](mailto:lncs@springer.com)

ISSN 0302-9743



[springer.com](http://springer.com)

**Lecture Notes in  
Computer Science**

LNCS

LNAI

LNBI

Tan et al. (Eds.)



LNCS  
9141

**Advances in Swarm and  
Computational Intelligence**

**2** Part II



ICSI-CCI  
2015

Ying Tan · Yuhui Shi  
Fernando Buarque · Alexander Gelbukh  
Swagatam Das · Andries Engelbrecht (Eds.)

# Advances in Swarm and Computational Intelligence

6th International Conference, ICSI 2015  
held in conjunction with the Second BRICS Congress, CCI 2015  
Beijing, China, June 25–28, 2015, Proceedings, Part II

**2** Part II



Springer