



### Editor in Chief

**W. Pedrycz**

Dept. of Electrical and Computer Engineering  
University of Alberta  
Electrical & Comp Engineering  
Research Facility  
Edmonton, T6G 2V4, Canada  
pedrycz@ee.ualberta.ca

### Guest Editors

Prof. Dr. **Qun Jin**,  
Department of Human Informatics  
and Cognitive Sciences, Faculty of  
Human Sciences, Waseda  
University, Japan  
jin@waseda.jp

Prof. Dr. **Sethuraman  
Panchanathan**, Director, School  
of Computing and Informatics,  
Arizona State University, USA.  
panch@asu.edu

Prof. Dr. **Changhoon Lee**  
**(Corresponding editor)**  
School of Computer Engineering,  
Hanshin University, Korea  
changhoonlee08@gmail.com

### Important dates

Paper submission:

**October 1, 2010**

Acceptance notification:

**February 28, 2011**

Final papers:

**April 30, 2011**

# Call for Papers

## A Special Issue of Information Sciences On “Human-Centric Computing”

### Introduction

Nowadays people are in the center of computing and communication systems. They are involved in different ways, as a designer, developer, or user. An information system can be considered as a communication system between people, which supports a variety of human activity and decision making. People have become an important part of the IT empowered information systems and network services (such as SNS, i.e., Social Networking Services), which can be regarded as a system of the people, by the people, and for the people.

In the past decade, a paradigm shift from machine-centered to human-centered and from technology-driven to user-driven has been witnessed. Human-centric computing is a promising paradigm to optimize user experience and satisfaction as well, and to help human in pursuit of well-being, which should always be our first priority. Following the concept of human-centric, technology conforms to the needs of human, and computers and software systems serve human.

The field of human-centric computing and communications (HCC), where technologies have been applied in the forms more and more transparent to human users, has emerged with the recent advances in pervasive, seamless, and convergent communications. Furthermore, the impact of computing and communication technologies on human living environments is on the top list of technology challenges and research directions worldwide. However, the capability for human users to navigate through disparate sources for information and control obscure devices for required applications is still limited. There are many challenging issues and problems to be solved in this field. Investigation of recent advance in human-centric computing is beneficial to both practitioners and academic researchers.

For more information  
[www.elsevier.com/computerscience](http://www.elsevier.com/computerscience)



## About the issue

The aim of this special issue is to bring together the state-of-art research results on the theory and practice of all aspects of human-centric computing and communications. Authors are encouraged to submit both theoretical and applied articles addressing this theme in this special issue.

### Topics

Potential topics include, but are not limited to:

- Human-computer interaction and user-centered design
- Ubiquitous computing and mobile systems
- Computer-assisted learning and cognitive issues
- Human-centered evaluation
- Semantic systems
- Middleware for HCC
- Social computing and social intelligence
- Gaming in HCC
- Privacy, security and trust management in HCC
- Information visualization and visual analytics
- Pervasive human-centric computing
- Context-aware computing in HCC

## Submission format

The submitted papers must be written in English and describe original research which is not published nor currently under review by other journals or conferences. Author guidelines for preparation of manuscript can be found at <http://www.ees.elsevier.com/ins>. The selected papers, which have been accepted and presented in HumanCom 2010 (Cebu, Philippines, August 11-13, 2010, <http://www.ftg.org/humancom2010/index.php>), and published in the conference proceedings, can be submitted to this special issue if they are substantially revised or improved and extended from their earlier versions with at least 30% new materials or results to comply with the copyright regulations.

For more information and questions, please contact the Editor-in-Chief:

**W. Pedrycz**

[pedrycz@ee.ualberta.ca](mailto:pedrycz@ee.ualberta.ca)

or

managing guest editor:

Changhoon Lee ([changhoonlee08@gmail.com](mailto:changhoonlee08@gmail.com))

## Submission Guideline

All manuscripts and any supplementary material should be submitted through Elsevier Editorial System (EES). The authors must select as “**Spec.Iss: Human-Centric Computing**” when they reach the “Article Type” step in the submission process. The EES website is located at: <http://www.ees.elsevier.com/ins>. All papers will be rigorously reviewed based on both quality and suitability to the special issue.



## Guide for Authors

This site will guide you stepwise through the creation and uploading of you article. The guide for Authors can be found on the journal homepage ([www.elsevier.com/ins](http://www.elsevier.com/ins)).