



# From the Editor

## Core Values

**L. Miguel Encarnação**  
ACT Inc.

**T**he dawn of 2014 brought many changes to our magazine, including electronic delivery, new editorial board members (see the sidebar to meet Seungyong Lee, our latest addition to the editorial board), an advisory council, and a suite of new ideas for theme issues.

In light of these changes, it seems prudent to reflect on where *IEEE Computer Graphics and Applications* stands, what it stands for, and how we'd like our readers, authors, reviewers, and potential board members to regard the magazine.

Toward that end, I reviewed a variety of discussions, definitions, and communications to select those that seemed the most salient to articulate the magazine's role in the computer graphics and visualization community, as well as some of the features that make CG&A unique among related technical and practice-oriented publications. It can be summarized by the following statements:

- CG&A has built a reputation as a path-setting publication in computer graphics subfields such as CAD/CAM, augmented reality, and, most recently, visual analytics and computer graphics aspects of 3D fabrication. It is the first place to talk and hear about emerging research areas.

- CG&A provides a unique outlet for scholarly work that's difficult to publish at conferences or in other technical journals, such as thoroughly studied real-world applications, well-described and well-evaluated systems papers, and exploratory research in emerging computer graphics fields.

- Besides its regular theme issues, CG&A accepts general submissions for peer review and publication on a continuous basis.

- CG&A provides increased accessibility and distribution through professional editorial work on accepted manuscripts.

- To better support authors in their pursuit of academic credentials, CG&A has recently removed certain restrictions on reference counts and reduced its submission-to-publication time frame to six months or less for acceptable manuscripts.

These statements are by no means all-encompassing and aren't meant to cover all the value CG&A brings to the field. Consider them more like the rail guards of CG&A's strategic orientation—defining a guiding framework that provides consistency and reliability for the magazine's stakeholders, supporters, and contributors. While


## Welcome to the Editorial Board




**Seungyong Lee** is a professor of computer science and engineering at the Pohang University of Science and Technology (Postech). His research interests include image and video processing, nonphoto-realistic rendering, and 3D scene reconstruction. He received a BS in computer science and statistics from Seoul National University and an MS and a PhD in computer science from the Korea Advanced Institute of Science and Technology.

From 1995 to 1996, he worked at the City College of New York as a postdoctoral researcher. Since 1996, he's been a faculty member of Postech, where he leads the Computer Graphics Group. During his sabbatical years, he worked at MPI Informatik (2003–2004) and Adobe Systems' Creative Technologies Lab (2010–2011). His technologies regarding image deblurring and the upright adjustment of photos have been transferred to Adobe Creative Cloud and Adobe Photoshop Lightroom. Contact him at leesy@postech.ac.kr.

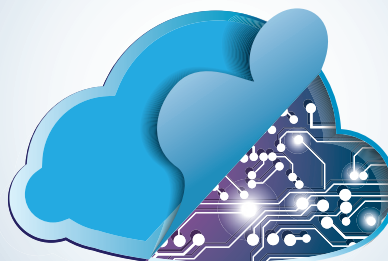
having to adapt to changes in our research community as well as the technical-publication industry as a whole, *CG&A* remains a prime publication for quality scholarly work from both academia and industry.

**E**ncourage readers to validate these statements by applying them to the three articles in this issue on visual analytics for biological data as well as the feature article, “Ring Discretization of the Wave Spectrum for Sea Surface Simulation.” This issue also features a spectrum of contributions in the Visualization Viewpoints, Education, Graphically Speaking, and Applications departments that provide insight on trends and perspectives within and adjacent to the field of computer graphics, visualization, and interactive techniques. 

**L. Miguel Encarnação** is the chief innovation officer at ACT, a nonprofit organization that provides assessment, research, and program management solutions in education and workforce development. Contact him at [cgaic@computer.org](mailto:cgaic@computer.org).

 Selected CS articles and columns are also available for free at <http://ComputingNow.computer.org>.

New in 2014



# IEEE CLOUD COMPUTING

IEEE Computer Society's newest magazine  
tackles the emerging technology of cloud computing.  
Subscribe today!

[computer.org/cloudcomputing](http://computer.org/cloudcomputing)

IEEE  computer society

IEEE  
COMMUNICATIONS  
SOCIETY

## Expert Online Courses — Just \$49.00

### Topics:

Project Management, Software  
Security, Embedded Systems,  
and more.

IEEE  computer society

[www.computer.org/online-courses](http://www.computer.org/online-courses)