

## Candidate for Chair

Tomas Cerny  
Baylor University, Waco, TX, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Czech Technical University, FEE 2016, Information Science and Computer Engineering.

#### Professional Experience:

Assistant Professor, Baylor University, Waco, TX, USA, 2017 – Present;

PostDoc, Baylor University, Waco, TX, USA, 2017;

Assistant Professor, Czech Technical University, FEE, Prague, Czech Republic, 2009 – 2017.

#### Professional Interest:

Software Engineering; Aspect-Oriented Programming; Microservice Architecture;  
Code Analysis; Internet of Things.

#### ACM Activities:

Outstanding Service to RACS, 2015 and 2018;

Conference Chair, ACM RACS, 2015 – 2017;

Track Chair, ACM SAC MEAS, 2016 – 2017;

Track Chair, ACM SAC EADD, 2015 – 2016.

#### Membership and Offices in Related Organizations:

Chair, Czech Republic ACM SIGAPP Chapter, 2014 – 2018;

Faculty Adviser/Founding Member, Czech Alpha Chapter of Upsilon Phi Epsilon,  
2013 – 2017.

#### Awards Received:

Best Poster Award, SofSem, Czech Republic, 2014;

The ICPC Joseph S. DeBlasi Outstanding Contribution Award, 2011.

### **STATEMENT**

The SIGAPP community can be defined by excellence, professional commitment, and great friendship. As the chair, I have an interest in maintaining and improving the strength of the community. Continuing the research and academic path, SIGAPP can also engage with industry partners and span towards applied research.

As SIGAPP Chair, collaborating with other committees and volunteers, I will plan conferences with the aim to build international impact and recognition. Special attention will be paid to student researchers to build new generations of SIGAPP leaders. In parallel, I will personally

encourage SIGAPP to improve contributor diversity in terms of gender and underrepresented groups by special stipend competition. Broader diversity will include collaborators participating in workshop and conference organization. Similar to what I did with Upsilon Pi Epsilon, I will promote student chapters with accessibility to active student members across universities, and engage them in activities including industry-based presentations, online lectures, and special interest lectures covering modern software development technologies. Finally, my plans are to maintain SIGAPP in a solid financial state to benefit our community and engage industry sponsorship.

## Candidate for Chair

Jiman Hong  
Soongsil University, Seoul, Korea

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Seoul National University, 2000, Computer Science and Engineering.

#### Professional Experience:

Professor, Soongsil University, Seoul, Korea, 2007 – Present;  
Assistant Professor, Kwangwoon University, Seoul, Korea, 2003 – 2007;  
CTO, GmanTech, Inc, Seoul, Korea, 1999 – 2002.

#### Professional Interest:

Applied and Convergent Computing Systems; Operating Systems; IoT and Edge Computing;  
Embedded Software; Wireless Sensor Network.

#### ACM Activities:

Chair, SIGAPP, 2015 – Present;  
Vice-Chair, SIGAPP, 2013 – 2015;  
Program Chair, SAC, 2012 – 2016;  
Posters Chair, SAC, 2009 – 2011.

#### Membership and Offices in Related Organizations:

Executive Director, Korean Institute of Smart Media, 2012 – Present;  
Full Time Member (Director), Korean Institute of Information Scientists and Engineers,  
2004 – Present;  
Full Time Member (Director), Korean Society for Internet Information, 2005 – Present.

#### Awards Received:

ACM SIGAPP Distinguished Service Award, 2015;  
Best Teaching/Research Awards, Soongsil University (2012 - 2015);  
Great Service Award, Ministry of Culture, Sports, and Tourism, 2007.

### **STATEMENT**

My past experience as Chair and Vice-Chair of SIGAPP and Program Co-Chair/Posters Chair of several conferences sponsored by SIGAPP has provided me with the opportunity to work in partnership with SIGAPP members. I would like to increase SIGAPP scholarships and STAP (Student Travel fund Assistant Participation) in future SAC and SIGAPP Sponsored Conferences. As continuing Chair of SIGAPP, I will promote an increase in the publication opportunities for SIGAPP members, potential members, and students such as ACR (Applied Computing Review)

which is the newsletter of SIGAPP. Ultimately, I want ACR to appear in the SCI (Science Citation Index) list. Finally, I will focus on increased membership in Europe and Asia as well as our constituents in the US. I will use my previous leadership experiences in SIGAPP and SAC to develop our organization and support a strong infrastructure for our continued success.

## Candidate for Vice-Chair

Richard Chbeir  
Université De Pau Et Des Pays De L'adour, Anglet, France

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Insa de Lyon, 2001, Image Database/Indexing.

#### Professional Experience:

Full Professor, Université Pau & Pays Adour, Anglet, France, 2012 – Present;  
Head of LIUPPA Lab., Université Pau & Pays Adour, Pau, France, 2015 – Present;  
Associate Professor, Université de Bourgogne, Dijon, France, 2002 – 2012.

#### Professional Interest:

Information Retrieval; Knowledge representation; Database; Information Semantics;  
Semantic Sensor Networks.

#### ACM Activities:

Vice-Chair, ACM SAC, 2018;  
Vice-Chair, SIGAPP, 2007 – 2012;  
Vice-Chair, ACM SAC, 2006;  
Member, ACM, 2006 – Present.

#### Membership and Offices in Related Organizations:

Chair, MEDES Conference, 2008 – Present;  
Chair, SITIS Conference, 2005 – Present;  
Vice Chair, IEEE SIGSMM (SIG on Semantic Multimedia Management), 2008 – Present.

#### Awards Received:

Scientific Excellency Award from French Government, 2018;  
Scientific Excellency Award from French Government, 2012;  
ACM Europe Award (youngest initiator of a SIG chapter in Europe), 2010;  
SBBD'07 "2nd Best Paper Award", 2007.

### **STATEMENT**

It is an honor to serve as Vice-Chair and to play a privileged role in promoting SIGAPP all over the world. My past experience as a two-term Vice-Chair has provided me the opportunity to work in partnership with SIGAPP members. If elected as Vice-Chair and in collaboration with SIGAPP officers, I will:

- Help identify how to strengthen collaborations and publications between SIGAPP communities, to be close and attentive to each community needs, and to initiate several gateways.

- Work towards expanding and diversifying SIGAPP's human capital particularly by establishing sustainable and successful chapters all over the world.
- Explore how membership in SIGAPP can increase, with initiatives that focus on young researchers, students, and scientists from different geographic regions. My ongoing involvement in several conference series would help to initiate several opportunities for cooperation.
- Promote and report further on our activities inside and outside of SIGAPP by both creating a central point (social software) for announcements, identifying additional key chapter events, and also increasing scholarship for student and active member participation in SIGAPP events.
- Create SIGAPP webinars and useful (on demand) content (e.g., videos) to chapter members (according to their profiles).

Thank you for your consideration.

## Candidate for Vice-Chair

Tei-Wei Kuo  
National Taiwan University, Taiwan

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Texas at Austin, 1994, Computer Science.

#### Professional Experience:

Professor, National Taiwan University, Taiwan, 2001 – Present;  
Interim President, National Taiwan University, Taiwan, 2017 – 2019;  
Distinguished Research Fellow and Director, Academia Sinica, Taiwan, 2015 – 2016.

#### Professional Interest:

Embedded Systems; Real-Time Systems; Storage Systems; Non-Volatile Memory Software;  
Cyber-Physical Systems.

#### ACM Activities:

Vice Chair, ACM SIGAPP, 2015 – Present;  
Editor-in-Chief, ACM Transactions on Cyber-Physical Systems, 2015 – Present;  
Associate Editor, ACM Transactions on Design Automation of Electronic Systems, 2014 – Present;  
Treasurer, ACM SIGAPP, 2013 – 2015.

#### Membership and Offices in Related Organizations:

Executive Committee Member, IEEE TC on Real-Time Systems, 2005 – Present;  
Executive Committee Member, IEEE TC on Cyber-Physical Systems, 2015 – Present;  
Associate Editor, IEEE Transactions on Industrial Informatics, 2007 – Present.

#### Awards Received:

ACM Fellow, 2015;  
IEEE Fellow, 2011;  
Best Paper Award, ACM SAC, 2013;  
Best Paper Nomination, ACM/IEEE DAC, 2014.

### **STATEMENT**

SIGAPP should play a leading role for the communities in applied computing, including the incubating of innovative ideas. I have actively participated in ACM SAC for more than 10 years; as a track co-chair for years, and in SIGAPP-sponsored events for years. I have served as the Vice-Chair of SIGAPP since 2015 and was the SIGAPP Treasurer (2013 – 2015). I am happy to see that SIGAPP is financially healthy and is able to offer student travel grants to attract more student

participants to build up the future of SIGAPP. It would be my honor to continue my service as the Vice-Chair of SIGAPP and help the community to be more successful in various ways.

If I am elected, my objectives are to work with the Chair to:

- (1) promote SIGAPP by encouraging the establishment of chapters and the hosting of various academic activities in applied computing,
- (2) enhance the scientific quality of SIGAPP-sponsored events and, at the same time, promote young researchers to take various leading roles in the community,
- (3) establish cooperation with other SIG organizations and approach related conferences to attract/invite researchers to attend SIGAPP-sponsored events, and
- (4) promote SIGAPP membership, especially for students.



## Candidate for Secretary

Alessio Bechini  
University of Pisa, Italy

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Pisa, 2003, Information Engineering.

#### Professional Experience:

Researcher, Dept. of Information Engineering, University of Pisa, Italy, 2006 – Present;  
Research Fellow, Dept. of Information Engineering, University of Pisa, Italy, 2003 – 2005.

#### Professional Interest:

Big Data Mining; Enterprise Information Systems; Distributed Systems; Bioinformatics;  
Data Management and Integration.

#### ACM Activities:

Poster Co-Chair, SAC 2019, SIGAPP, 2018 – 2019;  
Vice Co-Chair, SAC 2016, SIGAPP, 2014 – 2016;  
Program Co-Chair, SAC 2015, SIGAPP, 2014 – 2015;  
Track Chair (Embedded Systems) at SAC, SIGAPP, 2003 – 2014.

#### Awards Received:

ACM SIGAPP Distinguished Service Award, 2018.

### **STATEMENT**

I am very excited to run for the SIGAPP Secretary position. In the last 15 years it has been an honor for me serving in different roles in SAC, the main conference of SIGAPP. The continuous contact with the SIGAPP community has been of prime importance for the development of my scientific and professional expertise: it is unbelievable how the involvement in SIGAPP-related activities could be inspiring in research. I'm sure this feeling is shared by all SIGAPP members, who are also aware of the important role played in the society by their hard work. Now the time has come for me to contribute back to the community by making available the expertise I have acquired so far.

If elected, I will continue to support the challenges that SIGAPP is undertaking as a leading research community in computer science and engineering. Moreover, I'll do my best to further enhance cross-fertilization among people in different areas of applied computing, in the very spirit of collaboration and openness that characterizes SIGAPP. Finally, I will commit to both broaden and stimulate the community, especially by encouraging initiatives targeted at young researchers.

## Candidate for Secretary

Maria Lencastre Cruz  
State University of Pernambuco, Brazil

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Federal University of Pernambuco, Brazil, 2004, Software Engineering.

#### Professional Experience:

Professor, State University of Pernambuco, Brazil, 2014 – 2015;

Head of Computer Engineering Department, State University of Pernambuco, Brazil, 2010 – 2011;

Leader of Software Engineering Group (Capes), State University of Pernambuco, Brazil, 2010 – 2018.

#### Professional Interest:

Software Engineering; Databases; Modeling and Simulation.

#### ACM Activities:

Secretary, SIGAPP, 2015 – Present.

### **STATEMENT**

My first SIGAPP conference was in 2008. Since then I have been an attendee of several conferences, a track organizer (Re-Track), a PC member, and a Program Co-Chair (SAC'16, '17, and '18). I am seeking election as Secretary of SIGAPP in order to continue and advance the initiatives undertaken by the current Board (of which I take part), and to serve an organization that has been so important to my professional life. SIGAPP has also been a stimulus for me to engage computer professionals to participate in its conferences (as attendees, PC members, paper authors).

SIGAPP faces many challenges, as to guarantee the continued and advanced quality of its services. At the same time, it offers important professional opportunities. I am committed to continue working with the community to make it even more successful. Through the opportunities afforded by SIGAPP, I have met and learned from talented professionals; this helped me to improve. It will be an honour to work alongside the dedicated volunteers who feel as strongly as I do about the reputation and success of SIGAPP. I look forward to continue working with the community to ensure that the organization continues to be held and improve.

## Candidate for Treasurer

Junyoung Heo  
Hansung University, Seoul, Korea

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Seoul National University, 2009, Computer Engineering.

#### Professional Experience:

Professor, Hansung University, Seoul, Korea, 2009 – Present.

#### Professional Interest:

System Software; Open Source Software; Machine Learning; Wireless Sensor Networks; Embedded Systems.

#### ACM Activities:

Publicity Chair, SAC 2019, SIGAPP, 2017 – Present;  
Publicity Chair, RACS 2019, SIGAPP, 2017 – Present;  
Member, SIGAPP, 2017 – Present;  
Member, ACM, 2018 – Present.

#### Membership and Offices in Related Organizations:

Associate Editor, Korean Institute of Information Scientists and Engineers, 2017 – Present.

### **STATEMENT**

I am honored to run for the SIGAPP Treasurer position.

Throughout my research career, I have been lucky enough to always have someone from the SIGAPP community who inspired and encouraged me. I will be thrilled to serve our community, if elected.

## Candidate for Treasurer

John Kim  
Utica College, NY, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D. University of Wyoming, 2008, Computer Science.

#### Professional Experience:

Associate Professor, Utica College, NY, USA, 2011 – Present;  
Assistant Professor, Utica College, NY, USA, 2005 – 2011.

#### Professional Interest:

Expert systems; Telemedicine.

#### ACM Activities:

Treasurer, SIGAPP, 2015 – Present;  
Organizing Committee, SAC, 2015 – Present;  
Publication Chair, RACS, 2012 – Present;  
Technical Editor, ACR, 2011 – Present.

#### Awards Received:

Best Paper Award, 2008;  
Certificate of Merit, 2008.

### **STATEMENT**

Currently, I serve as the Treasurer of SIGAPP, and I am running for this position again. During my service period, I have closely worked with SIGAPP officers in order to further develop our organization. Other efforts toward SIGAPP include working as the technical designer and an associate editor of Applied Computing Review, the official quarterly newsletter of SIGAPP. In addition, as an Organizing Committee member of the annual Symposium on Applied Computing (SAC), the flagship conference of SIGAPP, I have served as the publication chair, Student Research Competition (SRC) chair, and treasurer. Now that I work for both SAC and SIGAPP as the treasurer, I know exactly how our organization works. Financially, SIGAPP is healthy. I will seek opportunities to broaden benefits for our members, which will lay the foundation for the future success of our organization, much appreciated and loved by its members. It has been my great pleasure to work for SIGAPP, and I look forward to another chance.