

Lieven Eeckhout
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Biosketch

Lieven Eeckhout is a Professor at Ghent University, Belgium, in the Department of Electronics and Information Systems (ELIS), where he is currently leading a research group of eight PhD students and one postdoctoral researcher. He received his PhD in Computer Science and Engineering from Ghent University in 2002, and has almost 20 years of experience in computer architecture research, with specific emphasis on performance evaluation and modeling, and more recently multicore scheduling and resource management. He published more than 150 papers in premier and high-quality conferences and journals.

He served as the program (co-)chair for HPCA 2015, CGO 2013 and ISPASS 2009, and general chair for ISPASS 2010. He is the current editor-in-chief of IEEE Micro, and associate editor of IEEE Computer Architecture Letters, IEEE Transactions on Computers and ACM Transactions on Architecture and Code Optimization. He served on more than 50 technical program committees.

Position Statement

As a member of the IEEE Computer Society's TCCA executive board since 2010, and through my other service to the computer architecture community, I see a vibrant community with tremendous opportunities and unique challenges.

Our community is growing at a fast pace. Whereas computer architecture historically defines the interface between hardware and software, computer architecture has evolved to being the mediator between the application layer and technology. Application and technology trends push computer architects to innovate on various fronts. Our conferences are growing in size with increasing number of paper submissions from an increasingly wider topic range and from an increasingly international community.

Increasing number of conference attendees provides great opportunities for community interaction. However, conference organization is a major undertaking, especially for conferences with more than 600 attendees as we witness these days for our flagship conferences HPCA and ISCA. I want to support conference organizers as much as possible, for example, by setting up best practices in conference organization.

A community's vitality hinges on its ability to attract and stimulate young researchers and students. We need to keep our conferences vibrant, attractive and accessible, both intellectually and financially. We need to bring new students to our conferences so they can experience the highest level of research and interact with other researchers. I strongly support student travel grants, even for students who don't have a paper to present, and if possible I would like to increase the budget for student travel grants. Also, I am in favor of day care support at conferences to facilitate young families to travel and attend conferences.

Another excellent way to support young researchers is through awards. We have relatively few awards in our field. I strongly support best conference paper awards and nominations (as done for HPCA), the Young Computer Architect award, as well as the joint TCCA/SIGARCH PhD Dissertation Award. If possible and appropriate, I'd like to instigate new awards.

I want to increase TCCA's web presence. The primary purpose for the TCCA website should be to provide a comprehensive overview of TCCA's activities, calendar, awards, mailing lists, membership, etc.

Finally, since the field of computer architecture is one big community, I will continue to collaborate closely with ACM SIGARCH for our joint conferences, as well as the microarchitecture community through IEEE TCuARCH and ACM SIGMICRO.