

SSBAktuellt

»»»nr 74 juni 2026



INNEHÅLL

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Juni 2026

From the SSBA Chair

Dear members of SSBA,

As I write for the first time as Chair of SSBA, I do so with both humility and excitement. I am grateful for your confidence in entrusting me with this role at the annual meeting during the SSBA/SSDL Symposium in Örebro in March. I would also like to take this opportunity to thank Amanda Berg warmly for her leadership of the society, for her dedication and time, and for the energy she has brought to SSBA during her time as chair.

Several of you know me from the Centre for Image Analysis at Uppsala University, others from SSBA meetings or through other academic activities. Although taking on the role of SSBA chair is a new responsibility for me, it is also a natural continuation of earlier engagements, and I am excited to work on bringing people together across universities, institutes, companies, and application areas to exchange ideas, share methods, and build a stronger image analysis community in Sweden.

The March symposium was a fitting moment for this transition. Celebrating the 50th anniversary of the SSBA society, especially through a presentation from the perspectives of our past SSBA chairs, reminded us how much has changed since the early days of automated image analysis, and also how much has stayed the same. New methods, sensors, datasets, and learning frameworks continue to reshape our work, but the need for a national meeting place remains just as important. The keynote talks, PhD presentations, invigorating discussions, and social events in Örebro all showed the breadth and vitality of our community.

This issue of SSBAktuellt reflects that same breadth. You will find the new SSBA board for 2026–2028, a report from the March conference, announcements of recent PhD theses and upcoming courses, and information about conferences of interest to our members. Looking ahead, the next SSBA/SSDL symposium will take us to Gothenburg in March 2027, while ECCV 2026 in Malmö, ICPR 2026 in Lyon, and MICCAI 2026 in Strasbourg will offer many of us additional opportunities to meet, present, and connect internationally.

I hope SSBA will remain a society that provides value to its members and makes it easy to get involved in many different ways. That can mean serving as a forum for presenting research and receiving feedback, a meeting place where students can share their work and feel part of a community, a place for co-organizing and disseminating relevant courses or workshops, a channel for short communications in SSBAktuellt, a bridge for connecting with industry, or simply a way to help shape the direction of our society together. Participation and contributions from many members are what keep a society like ours active and relevant.

Thank you for all your support and for the trust you have placed in the new board! I look forward to working with you during the coming years, and to seeing many of you at SSBA events, in Sweden and abroad.

Warmest regards, and I wish everyone a great summer!

Orcun Göksel

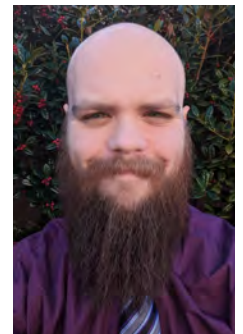
A Word from the Editors

Call for SSBAktuellt Content

Dear SSBA Community,

Midsummer has passed, and as you return to the office we have some exciting news for you. Many things have happened in the last 6 months, and we're excited to share them with you all. There are also some exciting conferences coming up that we would like to share with you. We also wanted to take this opportunity to invite you all to contribute your ideas and engaging content, such as conference reports, internship experiences, interviews, and more, for inclusion in the upcoming issues of SSBAktuellt. Feel free to reach out to us at redaktionen@ssba.org.se with your suggestions.

Kind Regards,
SSBAktuellt Redaktionen



James

A Word from the Editors

Call for SSBAktuellt Cover Images

Do you have photos, images or graphics you would like to share with SSBA community that would fit the SSBA newsletter? Images connected to Sweden, your research, SSBA activities or graphics which relate to image analysis are all welcome! Please send your proposal to redaktionen@ssba.org.se.



Announcement

SSBA:s styrelse 2026-2028

At the SSBA Annual meeting in March the following board members were elected:

Orcun Göksel (ordförande)
Inst. för informationsteknologi
Uppsala universitet
Member of IAPR Governing Board

Atsuto Maki
School of Electrical Engineering and Computer
Science, KTH
KTH

Jennifer Alvéén (vice ordförande)
Chalmers Tekniska Högskola

Elisa Barney Smith
Machine Learning
Department of Computer Science, Electrical and
Space Engineering
Luleå Tekniska Universitet

Mårten Wadenbäck (kassör)
Computer Vision and Learning Systems
Dept of Electrical Engineering
Linköping University

Niels Christian Overgaard
Matematikcentrum
Lunds Universitet

Hagen Spies (sekreterare)
Qualcomm
Stockholm

Amanda Berg
Computer Vision and Learning Systems
Dept of Electrical Engineering
Linköping University
Member of IAPR Governing Board

Announcement

SSBA/SSDL 2027



We are happy to invite you all to the next SSBA symposium, co-hosted with the Swedish Symposium for Deep Learning (SSDL). This event will take place in Gothenburg, March 17-19th 2027!

Gothenburg is a city with many faces. It has two universities and a century-old industrial heritage that has evolved into an innovative high-tech sector, but is as well-known for its heavy metal music and thriving micro brewery scene. The symposium is organized by the Computer Vision and Medical Image Analysis group at Chalmers University of Technology, and we are very excited to meet you all in our home town next year!

As in recent years, we invite participants to submit work that is not necessarily original - it could as well be shortened versions of papers already submitted elsewhere. The main idea is to get together, learn what other groups are doing, get to know each other, and - most of all - have a good time!

The symposium webpage can be found [here](#). It will be updated with more information as the

date approaches. We're also looking for sponsors for the event. If you work in industry or have good connections, feel free to ask your managers or collaborators for support! We found that companies often appreciate the publicity and find the cost levels to be reasonable. More information can be found [here](#).

So, mark the dates in your calendar, and see you all in Gothenburg next year!

Corporate Member Spotlight

Stemmer Imaging

Stemmer Imaging is Europe's leading supplier of technology and solutions within industrial image processing, computer vision and AI-based image analysis. We help companies and organizations automate, quality assure and optimize their processes through advanced vision solutions.

In the Nordic region, we work closely with customers in the manufacturing industry, medical technology, electronics, logistics, food, forestry and research, and more. Our strength lies in the combination of market-leading products and deep technical expertise. Through our wide range of cameras, optics, lighting, frame grabbers, software, industrial computers and sub-systems, we can support both development projects and production-ready applications.

We collaborate with some of the world's leading manufacturers in machine vision and at the same time offer local technical support and advice through our specialists in the Nordic region. In addition to this, we have over 50 colleagues in tech with broad experience in vision. In addition to traditional image processing, we are actively working with solutions based on AI and deep learning to meet the future demands in automation and quality control.

Read more at:

www.stemmer-imaging.com

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Corporate Opportunity

Partner with SSBA!

SSBA works with strategic initiatives to promote image analysis in Sweden, to increase the number of students who choose to study image analysis in undergraduate programs at Sweden's universities and to create an active exchange between universities and companies. Supporting SSBA as a company member shows that image analysis is an industry of the future with good job opportunities, and in the long run, it helps SSBA create better recruitment opportunities for your company. Participating actively as a company in SSBA provides opportunities to build contacts with researchers and other companies.

Do you know any companies who might also like to become a member? Contact ssba@ssba.org.se

Member Spotlight

Orcun Göksel

This issue's Member Spotlight features Orcun Göksel, newly elected Chair of SSBA and Professor of Computerised Image Processing at Uppsala University.

Curiosity has probably been the strongest thread running through my life for as long as I can remember. As a child, I loved figuring out how things worked, fixing things, and trying to build things myself. I vividly remember my first computer with cassette tapes, and spending hours teaching myself programming by trial and error. This was well before the internet, online tutorials, and coding forums, so progress could be frustratingly slow. But perhaps that was part of what made it so rewarding: when something finally worked, it felt earned.

At school, I was especially drawn to mathematics and physics, because I liked the sense of logic and order, and how seemingly difficult problems could be formalized, understood, and solved based on simple building blocks. Indeed, this combination of interests led me to pursue more than one path at university. At Middle East Technical University in Ankara, I studied for a double-major bachelor's degree in electrical & electronics engineering and computer science/engineering. Later, I moved to Vancouver, Canada, for my master's and PhD studies at the University of British Columbia. After a period of postdoctoral research, I joined ETH Zurich, where I eventually became a Swiss National Science Foundation Professor and founded the Computer-assisted Applications in Medicine group. In 2020, I moved to Uppsala University, first as Associate Professor and later as Professor, joining the Centre for Image Analysis and the Department of Information Technology.

My early-career research first took me toward image-based modelling and simulation of biomechanical systems and image-guided interventions, while my later pursuit of automated processing and understanding of data brought me further into image processing, analysis, and machine learning. Having worked with many different modalities, from MRI and CT to fluorescence microscopy and digital pathology, ultrasound imaging has been a particular focus and source of fascination in my research. While the technical topics have varied, the underlying motivation has been quite consistent: how can we extract reliable and useful information from images, and how can that information help make better decisions? What continues to motivate me most is the meeting point between theory and practice, where mathematics, algorithms, engineering, and real-world needs all come together.

Looking back, some parts of my journey feel as though they connect directly to those early years. In 2001, as a student, I programmed my first neural network and backpropagation algorithm in a course called Neurocomputers. At the time, neural networks were still mostly small, academic examples, very far from the scale and visibility they have today. It is still remarkable to me that ideas that once felt niche and experimental have, with enough time, data, computing power, and collective effort, become central tools in science and society.

In addition to the excitement of technical work, what I value most in academic life is not only the technical work itself, but the people around it. Some of the most meaningful parts of this journey have come through collaborations with students, researchers, engineers, clinicians, and industrial partners. I have also greatly enjoyed contributing to the research community through conferences and volunteer roles, including at MICCAI, IPCAI, and IEEE. For me, SSBA belongs very naturally in that broader landscape: a welcoming community with a strong Swedish identity, where people can exchange ideas across institutions, application areas, and career stages.

I am honored to have been elected Chair of SSBA and grateful for the trust placed in me and in the new board. It is a privilege to take on this role in a society with such a strong history and so many traditions, and one that has brought together generations of researchers, students, and practitioners in image analysis across Sweden. I hope SSBA will continue to be a place where people can present ideas, receive feedback, meet colleagues, build collaborations, and feel part of a community.



The Author

Orcun Göksel
Profesor of Computerised Image Processing
Department of Information Technology
Uppsala University

Conference Report

SSBA/SSDL 2026

Attending the SSBA conference this year was particularly memorable, as it was my first time participating and it coincided with the 50th anniversary of the society. As a newcomer, I felt fortunate to meet two of the conference founders, Prof. Gunilla Borgefors and Prof. Ewert Bengtsson, who have attended every edition of the conference since its inception five decades ago. Listening to their reflections on the development of the field and their long academic careers provided a valuable perspective and inspiration. The trip to Örebro was also an enjoyable experience, offering an opportunity to visit Örebro University, explore the city, and experience the historic atmosphere of Örebro Castle.

The conference program featured keynote lectures, PhD project presentations, and poster sessions. The keynote speakers represented both academia and industry, providing diverse perspectives on image analysis research and its applications. One particularly encouraging aspect was seeing former conference participants who had once attended as PhD students and were now returning as university professors. Their career journeys served as a reminder that the challenges of doctoral studies can lead to rewarding professional opportunities. The industry keynote speakers also offered valuable insights into current developments outside academia and demonstrated how research can be translated into practical solutions for real-world problems.

The PhD project presentations provided an opportunity to learn about ongoing research in depth. Although all projects were connected through the common theme of image analysis, they addressed a remarkably broad range of

applications, from cancer detection and biomedical imaging to archaeology and cultural heritage studies. While some technical details were naturally challenging to follow outside one's own area of expertise, it was fascinating to observe the versatility of image analysis methods and to learn about novel approaches being developed by researchers across different domains. The poster sessions and subsequent networking activities created an excellent environment for discussion. They provided opportunities to ask detailed questions, exchange ideas with fellow researchers, identify overlapping interests, and explore possibilities for future collaboration.

I had the opportunity to present my own research during the oral presentation sessions. Speaking in front of a large audience was a valuable experience that helped me further develop my public speaking and presentation skills. The welcoming and supportive atmosphere of the conference made it easier to manage the natural stress associated with presenting and provided a constructive environment for learning. I believe that the ability to communicate ideas clearly and professionally is an essential skill, regardless of whether one pursues a career in academia, industry, or entrepreneurship.

The questions and feedback I received from fellow PhD students and more experienced researchers were particularly valuable. Their comments helped me identify potential limitations in my approach and consider alternative solutions and future directions for the project. Equally rewarding was the interest shown by several participants in some of the methods I presented. It was encouraging to learn that aspects of my work had inspired others and that they were interested in exploring similar techniques within their own research.

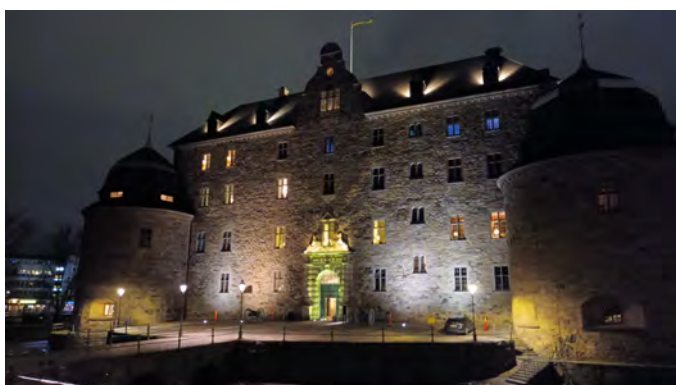
Beyond the academic program, the conference organizers arranged an enjoyable conference dinner at Örebro Castle, accompanied by music and live entertainment. Dining in such a historic setting and walking through the castle's corridors offered a unique experience. The dinner and accompanying social activities also provided an opportunity to connect with other attendees on a more personal level, discussing experiences beyond research, discovering shared interests, and forming new friendships.

Overall, I would strongly encourage students and researchers to participate in future SSBA conferences. The conference offers an excellent opportunity to meet experienced researchers, learn about a wide range of topics within image analysis, receive feedback on one's work, expand professional networks, and exchange ideas with peers. At the same time, it provides a supportive environment for developing presentation, communication, and networking skills that are valuable in any professional setting.



The Author

Sajjad Rahmani Dabbagh
PhD Student
Uppsala University



Upcoming Conference

ICPR 2026



The International Conference on Pattern Recognition (ICPR) is the leading event of the International Association for Pattern Recognition, recognized as a top conference in the field. It encompasses a wide range of topics where Pattern Recognition methods are applied in fields including Computer Vision, Machine Learning, Image Processing, Speech and Natural Language Processing, and Sensor Pattern Processing. The 28th ICPR, taking place from 17 to 22 August 2026, offers an excellent platform for students, academics, and industry researchers to foster new ideas and collaborations. Paper submissions have closed, but registration is still open.

Keynote Speakers



Henrik I. Christensen

Contextual Robotics
Institute, UC San
Diego, La Jolla, CA



Alicia Fornes

Universitat Autònoma
de Barcelona (UAB)



Cuntai Guan

Nanyang Technological
University



Zhu Jun

Department of
Computer Science at
Tsinghua University

Upcoming Conference

ECCV 2026

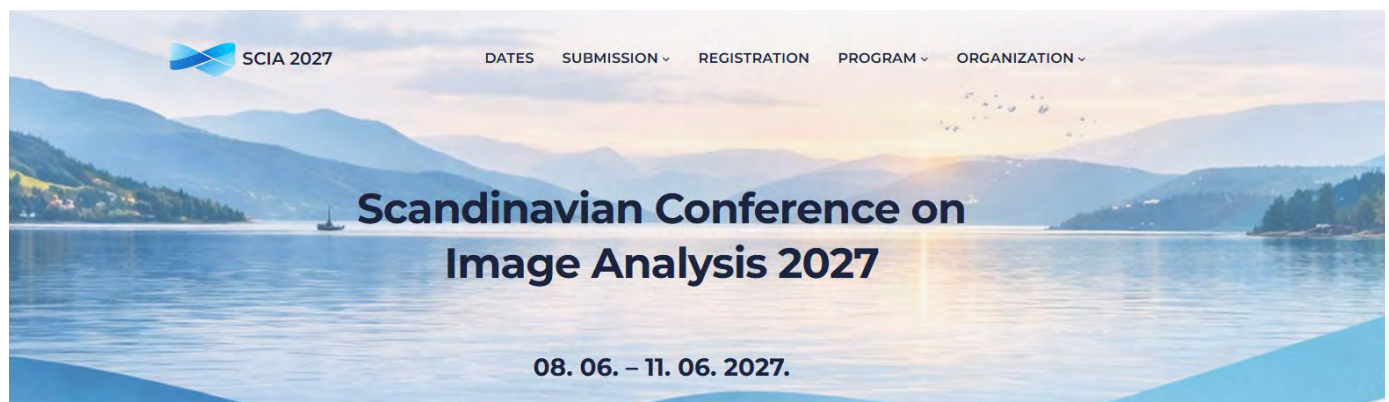


ECCV 2026 | MALMÖ | SEPT 8-12

The European Conference on Computer Vision (ECCV) is a biennial premier research conference in Computer Vision and Machine Learning, managed by the European Computer Vision Association (ECVA). It is held on even years and gathers the scientific and industrial communities on these areas. The first ECCV was held in 1990 in Antibes, France, and subsequently organized all over Europe. Paper submissions have closed, but registration is still open.

Upcoming Conference

SCIA 2027



SCIA 2027 will be in in Gjøvik Norway, 8 – 11 June 2027 at the Norwegian University of Science and Technology. Paper submission opens 1 December 2026 and closes 26 Jan 2027. The conference program will feature expert keynotes and high-quality scientific presentations, all set against the unique geological and cultural backdrop of Norway.

SCIA 2029 will be held in Sweden per its usual rotation among the Scandinavian countries. If anyone is interested in helping with its organization, please contact ssba@ssba.org.se.

Announcement

Aktuella Avhandlingar

Här presenteras de avhandlingar som publicerats sedan senaste numret av SSBAktuellt och kommit redaktionen till känna. Meddela redaktionen om aktuella avhandlingar



Filip Winzell

Lund University

Centre for Mathematical Sciences, Faculty of Engineering

Machine Learning for Longitudinal Medical Data Analysis - Applications in Prostate Cancer and Alzheimer's Disease

Thesis advisors: Prof. Anders Heyden (main), Dr. Ida Arvidsson, Assoc. Prof. Niels Chr Overgaard, and Prof. Karl Åström

Roman Naeem

Department of Electrical Engineering, Chalmers University of Technology, "Centerline Extraction for Tubular Trees in Medical Images

Thesis advisors: Fredrik Kahl, Jennifer Alvé, Lennart Svensson

Carl Lindström

Department of Electrical Engineering, Chalmers University of Technology, Neural Rendering for Autonomous Driving

Thesis advisors: Lennart Svensson, Lars Hammarstrand, Maryam Fatemi