

Jim Tørresen Talks and Presentations (see tutorials and pop-sci talks further down)

Invited scientific talks/keynotes

- “Sensing Human State with Application in Older People Care and Mental Health Treatment”, [AI4Health Lecture Series](#); Université du Luxembourg, 10 March 2020
- “A collaboration journey to Japan that started for more than 25 years ago”, **Norway-Japan Academic Network**; Oslo, 26 February 2020
- “Intelligent Robots and Systems for Foundational and Applied Healthcare Research”, **Guest lecture at Nagoya University**; 28 January 2020
- “Interdisciplinary Research Collaboration in Rhythm, Time and Motion.” **Guest lecture at Toyohashi University of Technology**; 27 January 2020
- “AI Ethics: How to achieve ethically good artificial intelligence research and development.” [Chalmers AI Ethics seminar series](#); Chalmers University of Technology, Gothenburg, Sweden, 7 January 2020
- “Adaptive Robot Body and Control for Real-World Environments”. co-presenters: Kyrre Glette and Kai Olav Ellefsen, **JPL Robotics Section seminar**; Pasadena, US, 28 October 2019
- “Intelligent, Adaptive Robots in Real-World Scenarios”, co-presenters: Kyrre Glette and Kai Olav Ellefsen. **UBER AI Labs Seminar**; San Francisco, US, 25 October 2019
- “Introduction to Different Challenges in Ethical AI and Possible Ways of Addressing Them” keynote at **IJCNN (International Joint Conference on Neural Networks) workshop “Ethical AI Challenges”**, Budapest, Hungary, 19 July 2019
- “Design and Control of Robots for Real-World Environment”, **Eindhoven University of Technology**, Netherlands, invited talk at the opening of their: The Future of Social Robotics – opening of the Social Robotics Lab, 28 June 2019
- “Ethics and artificial intelligence in healthcare”, at the conference **Artificial intelligence in healthcare** in Bodø, Norway, 18-19 June 2019
- “Intelligent and Adaptive Robots in Real-World Environment”, **SAINT Workshop on Self-aware and Autonomous Systems**, Southern University of Science and Technology (SUSTech), Shenzhen, China, 5-6 May 2019
- “Supporting Older People with Robots for Independent Living “, **3rd International Workshop on Advanced Algorithms and Control Engineering (IWAACE 2019)**, in Sanya, China, January 18-19, 2019
- "Making Robots Adaptive and Preferable to Humans", guest lecture **Univ. of Hertfordshire**, UK, 7 Jan 2019
- “UiO Visit to UFRJ – An overview of research”, guest lecture **Universidade Federal do Rio de Janeiro (UFRJ)**, Brazil, 6 Des 2018
- “Artificial Intelligence Applied for Real-World Systems”, guest lecture **Brno University of Technology**, Czech Republic, 7 October, 2018
- "Biologically inspired computing for problem solving", the Norwegian Geotechnical Institute seminar on Machine learning, Oslo, 22 Oct 2018
- “Developing Robot Companions for Elderly”, **2018 China (Shenyang) World Congress of Robotics (WCR 2018)**, 1 September 2018
- “Intelligent Systems for Medical and Healthcare Applications”, **Simula@OsloMet seminar series**, 23 August 2018.
- “Equipping Systems with Forecasting Capabilities”, **Universidade Federal do Rio Grande do Sul (UFGRS)**, Porto Alegre, Brazil, 12 July, 2018

- "Introducing Mental Health through Adaptive Technology via Sensor Data and Machine Learning: The INTRMAT project.", **University of Michigan**, 5 June 2018.
- "Ethical Robots and Autonomous Systems", **Autonomy Day**, OsloMet, 3 May 2018
- "Artificial Intelligence – State-of-the-art", **Research Council of Norway**, Lysaker, Oslo, 5 March 2018.
- "Intelligent Machines – Opportunities and Challenges", **Kyushu University**, Japan, 5 October, 2017
- "Artificial Intelligence and examples of Real-world Applications", **National Institute of Informatics**, Tokyo, Japan, 3 October, 2017
- "Artificial Intelligence by Nature Inspired Computing", **Agri-Robotics Summer Camp**, Ås, Norway, 4 August 2017
- "Sensing and Reasoning Technology Applied within Mental Health Treatment and Elderly Care Robot Companions", **Graz University of Technology**, Austria, 30 June 2017.
- "Robotics activity at Robotics and Intelligent Systems Group University of Oslo", **Institute For Robotics And Mechatronics at Joanneum Research**, Klagenfurt, 29 June 2017.
- "Artificial intelligence - a human technology?" Invited talk at **TEDx Oslo**, May 3, 2017.
- "Artificial Intelligence – What is it and what can it be applied to? Thematic meeting about Artificial Intelligence, **The Norwegian Society of Engineers and Technologists (NITO)**, Oslo, 27 April 2017
- "Making Systems Intelligent by Biologically Inspired Computing", Invited talk at **Brazilian Institute of Robotics (BIR)**, SINAI CIMATEC, Salvador, Brazil, April 6, 2017.
- "Opportunities and Challenges with Artificial Intelligence", Invited talk at **Universidade Federal do Rio Grande do Sul (UFGRS)**, Porto Alegre, Brazil, April 4, 2017.
- "Introduction to Machine Learning for Problem Solving". Invited talk at **Norwegian Geotechnical Institute (NGI)**, Oslo, 10 January 2017
- "Making Technology Adaptive by Biologically Inspired Computing", Invited talk at **Hong Kong University**, 24 October 2016.
- "Unleashing Artificial Intelligence in the Real World", School of Computer Science, Invited talk at **University of Manchester**, UK, 5 October 2016.
- "Smartphone Analysis of Human Behaviour for Interactive Music Systems", **4th Conference of the European Society for Research on Internet Interventions (ESRII)**, Bergen, 22-23 September 2016
- "Artificial Intelligence in Autonomous Systems", Norwegian Society of Automatic Control (NFA) *Conference on Autonomy*, Stavanger, 16-17 May, 2016
- "Artificial intelligence and evolutionary algorithms analysis and solution tools", Norwegian Society of Automatic Control (NFA) **Conference on decision support and alarm systems**, Oslo, 4 - 5 November 2015
- "Artificial Intelligence: Can machines become as intelligent as humans?" Invited talk at board meeting at the **Norwegian Board of Technology**, Oslo, 19 June 2015
- "Robotics in IoT", **HiPEAC Computing Systems Week**, Oslo, May 2015
- "Introduction to Artificial Intelligence", **Shell Norway**, 28 October 2014.
- "Introduction to Run-time Evolvable and Reconfigurable Hardware", Guest lecture in course Advanced reconfigurable Systems (ARS, code 32437) 22 Nov 2012 at **Universidad Autónoma de Madrid**, Spain.
- "Self-aware and Self-expressive Active Music Systems". [Awareness Summer School \(AWASS 2012\)](#), 10-16th June 2012, Edinburg, Napier University
- "Can Run-time Reconfigurable Hardware be more Accessible?" Invited talk at **2011 International Conference on Engineering of Reconfigurable Systems and Algorithms (ERSA'11)**, July 18, 2011, Las Vegas, US.

- “Exploring Bio-Inspired Computing for Robotics and Intelligent Systems”, Invited talk at **University of Vermont**, US, April 8th, 2011.
- “Music Technology based on Robotics and Intelligent Systems”, *Invited talk* at **McGill University**, Canada, April 7th, 2011.
- “Making Run-time Reconfigurable Hardware more Useful”, *Invited talk* at **University of Southern California (USC)**, LA, CA. January 28, 2011.
- “Robotics and Intelligent Systems Research at University of Oslo”, **Jet Propulsion Laboratory/California Institute of Technology**, Pasadena, CA, January 26, 2011.
- “Robotics at University of Oslo”. **The Norwegian Robotics Workshop**, Trondheim, Norway, 30 Nov 2011.
- “Robotics and Intelligent Systems research group (ROBIN at UiO)”, *Invited talk* at [Cornell Computational Synthesis Laboratory](#), **Cornell University**, August 30th, 2010.
- “A New Project to Address Run-Time Reconfigurable Hardware Systems” *Invited participant/speaker* at [Dagstuhl Seminar 10281: Dynamically Reconfigurable Architectures](#), Schloss Dagstuhl, Germany, July 11 – 16, 2010.
- “Adaptable System on Chip”, Keynote at **Reconfigurable Communication-centric Systems on Chip Conference (ReCoSoC'10)**. May 17-19, 2010, Karlsruhe, Germany.
- “Evolutionary Computing Applied to Hardware and Robotics”. *Invited talk* at [Faculty of Information Technology](#), **Brno University of Technology (BUT)**, Brno, Czech Republic, January 20th, 2009.
- “Adapting Systems by Evolving Hardware”. *Invited talk* in [Computer Systems Colloquium \(EE380\)](#), Stanford University. January 23rd, 2008.
- Research in Robotics & Intelligent Systems Group, *Invited talk* at [Cornell Computational Synthesis Laboratory](#), **Cornell University**, January 20th, 2008
- “Evolutionary Computing and its Application to Signal and Image Classification in Hardware.” Invited talk at **Fudan University**, China, September 17th, 2007.
- “A Survey on Parts Obsolescence Challenges for the Electronics Industry”, **Component Obsolescence Group International Conference (COG'07)**, UK.
- “Evolvable Hardware Supplementing the Hardware Designer”. **Invited talk to First Workshop on Topics of the nEUro-IT.net Roadmap**, Antwerp, 21/22 April 2006.
- “Context Switching Reconfigurable Logic”. Dagstuhl Invited participant/speaker at **Dagstuhl Seminar 03301: Dynamically Reconfigurable Architectures**, Schloss Dagstuhl, Germany, July 25-25, 2003.

Tutorials

- “Ethical Considerations in User Modeling and Personalization”, [tutorial](#) at **ACM 28th International Conference on User Modeling, Adaptation and Personalization (ACM UMAP 2020)**, July 12th-18th 2020, Genoa, Italy (Virtual conference due to the corona pandemic)
- “Addressing Ethical Challenges within Evolutionary Computation Applications”, [tutorial](#) at **Genetic and Evolutionary Computation Conference (GECCO 2020)**, July 8th-12th 2020, Cancun, Mexico (Virtual conference due to the corona pandemic)
- Creative Prediction with Neural Networks (co-organized with Charles P. Martin and Kyrre Glette) ALife 2018: **The 2018 Conference on Artificial Life**. Tokyo
- Prediction, Interaction, and User Behaviour (co-organized with Enrique Garcia-Ceja, Kai O Ellefsen, Charles P. Martin), **IEEE World Congress on Computational Intelligence (WCCI)** July, 2018

- A Run-Time Evolvable Hardware Tutorial, Jim Torresen, **2011 International Conference on Engineering of Reconfigurable Systems and Algorithms (ERSA'11)**, Las Vegas, USA.
- Evolvable Hardware (co-organised with Lukas Sekanina, Brno University of Technology). **2009 NASA /ESA Conference on Adaptive Hardware and Systems (AHS-2009)**, San Francisco, July, 2009.
- Evolvable Hardware (co-organised with Lukas Sekanina, Brno University of Technology). **IEEE Congress on Evolutionary Computation (CEC-2009)**, Trondheim, May 2009.
- Run-Time Reconfigurable and Adaptive Hardware. **2008 NASA /ESA Conference on Adaptive Hardware and Systems (AHS-2008)**, The Netherlands, June 2008.
- Evolvable Hardware (co-organised with Kyrre Glette, University of Oslo (Norway) and Marco Platzner and Paul Kaufmann, University of Paderborn (Germany), **21st International Conference on Architecture of Computing Systems, ARCS'08**. Dresden, Germany, February 25-28, 2008.
- Reconfigurable Computing. **2nd NASA /ESA Conference on Adaptive Hardware and Systems (AHS-2007)**. Edinburgh, August 2007.
- Reconfigurable Computing. **ECSIS Symposium on Intelligent Systems for Defense and Security (ISDS)**. September 20-21, 2006, Iasi, Romania
- Reconfigurable Computing by Reconfigurable Logic. **1st NASA/ESA Conference on Adaptive Hardware and Systems (AHS'2006)**. June 2006, Istanbul, Turkey.
- An Evolvable Hardware Tutorial. In the **14th International Conference on Field Programmable Logic and Applications (FPL'2004)**, August 2004, Antwerp - Belgium.
- Speeding Up Neural Network Computation by Parallel Processing. Tutorial at **International Conference on Neural Information Processing (ICONIP'97)**, November 1997, Dunedin, New Zealand.

Popular science talks (in Norwegian)

- "Hva vil roboter og kunstig intelligens kunne løse for vår helse og har vi noe å frykte?". **Høyres helse- og omsorgsfraksjon på Stortinget**, helseteknologiseminar i Høyres Hus, 12. November Oslo
- Kunstig intelligens og anvendelser innen helse og omsorg, **Wolters Kluwer seminar**, AI inom hälsovård, Litteraturhuset, Oslo, 23 Oct 2018.
- Kunstig intelligens – hvem, hva og hvor? **Evry seniorforening (norsk)/Evry Senior Association** meeting, 18 October 2018
- Hva er kunstig intelligens? **Stiftelsen Nasjonalt Medisinsk Museum** seminar med tittel "Kunstig intelligens i diagnose og behandling av sykdom.", Nasjonalbiblioteket, Oslo, October 2018
- Roboter kommer nærmere – skal vi glede eller grue oss? Invitert foredrag på **Oslo-Kvinne-og-familieforbund** seminar, Sundvolden, 14 April 2018.
- Interview by Tore Tennøe, Director at **Norwegian Board of Technology**, about Artificial Intelligence before screening of the movie «Her» at Cinemateket, Oslo, 2 February, 2017
- Lærende og tilpasningsdyktig teknologi, **Akersborg Rotaryklubb**, Oslo, 9 Nov 2015
- Kunstig intelligens og evolusjonære algoritmer som analyse- og løsningsverktøy, **Norsk Forening for Automatisering (NFA) konferanse for Beslutningsstøtte og alarmsystemer**, Oslo, 4-5 Nov 2015.
- KUNSTIG INTELLIGENS: Kan maskiner bli like intelligente som mennesker? Har vi noe å frykte?
- **Norwegian Board of Technology (Teknologirådet)**, Oslo, 19 June 2015

- Data fra tidligere pasienter brukt til å effektivisere justering av nivåer for cochlea-implantat for nye pasienter. **Norsk Forening for Automatisering (NFA) konferanse for Helse og medisinsk teknologi**, Stavanger, 27-28 May, 2015
- Kunstig Intelligens. **Oslo Bokfestival**, 12-13 Sept 2014
- Artificial Intelligence (in Norwegian), [Akademisk Vorspiel](#), organized by the Norwegian student society, 21 March, 2014
- Robotikk og Intelligente Systemer (ROBIN). **Fredagsforum Forsvarets Forskningsinstitutt (FFI)**, 8 Mai 2009.

Others scientific talks

- Learning FPGA Design Through Internet and Remote Labs. *FPGA-forum 2014*, Trondheim.
- New Tools and Techniques for Building Run-time Reconfigurable Systems. *FPGA-forum 2012*, Trondheim.
- Intern og delvis rekonfigurering på FPGA. *FPGA-forum 2008*, Trondheim.
- Run-Time Reconfigurable Hardware. *FPGA-forum 2007*, Trondheim.
- Er “reconfigurable computing” klar for kommersiell anvendelse? *DAK/FPGA-forum 2005*, Trondheim, oktober 2005.
- Utgåtte komponenter – et problem for norsk elektronikkindustri? Det 58. *Studemøtet Elektronikk og Data*, Sundvolden 15.-16. juni 2005.
- Reconfigurable Computing at UiO – recent activities. *DAK-forum 2004*, Trondheim, oktober 2004
- Adaptiv dataprosessering i rekonfigurerbar logikk. *DAK-forum 2003*, Trondheim, oktober 2003.
- Evolusjonær maskinvare. Det 54. *Studemøtet Elektronikk og Data*, Lillehammer 14.-15. juni 2001.

Updated 25 November, 2020