**Workshop - Shaping the Future of Neuromorphic Technology in Sweden**

**1-2 April 2025**

**Digital Future Hub, KTH, Stockholm**

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| **Agenda Day 1, 1st of April** | | |
| 13:00 | **Welcome and introduction to the workshop** | Pär-Erik Martinsson, Process IT Innovation, LTU  Representative from KTH |
| 13:05 | **Introduction to the Feasibility Study: Neuromorphic Innovation Platform Sweden** Neuromorphic Innovation Platform Sweden is a national feasibility study initiated by ABB, Ericsson, FOI, KTH, LU, LTU, SAAB, UU. The study is coordinated by Process IT Innovation at LTU. The aim is to assess the conditions necessary for establishing a national innovation platform dedicated to advancing neuromorphic technology in Sweden. | Sabine Mayer, Process IT Innovation, LTU |
| 13:20 | **What is neuromorphic technology?** An introduction to the technology and its capabilities | Fredrik Sandin, LTU |
| 13:30 | **Business Potential and Strategic Outlook on Neuromorphic Technology**  **Telecom & 5G/6G Networks** (Ericsson)  **Robotics & Industrial Automation** (ABB)  **Defense & Aerospace Systems** (SAAB and FOI) | TBC, ABB  TBC, Ericsson  TBC, SAAB  TBC, FOI |

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| **Agenda Day 1, 1st of April (cont.)** | | |
| 14:00 | **Swedish national capabilities in neuromorphic technology** An overview of the current state of neuromorphic technology both within Sweden and internationally. | Mattias Borg, LU Ted Johansson, UU  Ayca Ozcelikkale, UU Jörg Conradt, KTH Fredrik Sandin, LTU |
| 14:30 | **Coffee break** |  |
| 15:00 | **Workshop 1 - SWOT**  Together we will make a SWOT - what 3 key strengths, opportunities, weaknesses and threats do you see for Swedish (and European) success in neuromorphic technology?   * Are there any white spots in the previous presentations? | All |
| 15:45 | **Presentation of results from Workshop 1** | Group representatives |
| 17:00 | **Summary and conclusion from day 1** | Pär-Erik Martinsson, Process IT Innovations LTU |
| 17:30 | **Dinner** |  |

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| **Agenda Day 2, 2nd of April** | | |
| 08:00 | **What is an innovation platform?**  How can Sweden work together to create an innovation ecosystem? An introduction to the concept of innovation platforms and the long-term objectives from Vinnova. | Kjell-Håkan Närfält, Vinnova (TBC). |
| 08:15 | **What can we learn from other existing innovation platforms?** QSIP is an existing innovation platform focusing on emerging quantum technology that started in Nov 2023. | Johan Felix, QSIP (TBC) |
| 08:30 | **The European Research and Innovation agenda** How can Sweden be a driving force in Europe for next generation edge AI where neuromorphic technology is a game changer? | Pär-Erik Martinsson, Process IT Innovations, LTU |
| 09:00 | **Workshop 2 – Neuromorphic Sweden**  1. Applications & Market Potential (20min discussion in groups) What future applications, products, or services do you envision that neuromorphic technology will enable, positioning Sweden and Europe as early adopters and global leaders in this field? - Presentation from all groups, 30 min | All |
| 09.50 | **Coffee break** |  |
| 10:05 | **Continue Workshop 2 – Neuromorphic Sweden**  2. Key Challenges & Opportunities (20min discussion in groups): What critical challenges can we address collectively through an innovation platform to enhance Sweden’s competitiveness and international leadership in neuromorphic technology? - Presentation from all groups, 30min  3. Value Proposition of the Innovation Platform (20min discussion in groups): What are the needs of the research and business ecosystem that an innovation platform should address, and how can it best support industry and academia - Presentation from all groups, 30min |  |
| 11:45 | **Summary, conclusion and next step** | Pär-Erik Martinsson, Process IT Innovation LTU |
| 12:00 | **Lunch and mingle** |  |