

## ATLAS Outstanding Achievement Awards



2025 年	<ul style="list-style-type: none"> <li>• <a href="#">Masato Aoki (KEK)</a>, Leesa Brown (Victoria), George Chatzianastasiou (Brookhaven BNL), Thiago Costa de Paiva (Massachusetts), Nathan Felt (Harvard), Simone Francescato (Harvard), Eleni Kanellaki (Demokritos), Foteini Kolitsi (uniWA), Audrey Kvam (Massachusetts), Callum McCracken (Vancouver UBC), <a href="#">Tomoyuki Saito (Tokyo ICEPP)</a>, <a href="#">Yoshiaki Tsujikawa (Kyoto)</a> for the deployment of the complete Phase-I L1 Muon Endcap Trigger, including the NSW triggers, enabling ATLAS to run at higher pileup and gather more data in 2024.</li> <li>• Doug Benjamin (Brookhaven BNL), Andrej Filipcic (Ljubljana), Michal Svatos (Prague AS), Rod Walker (Munich LMU) for advancing the experiment's computing infrastructure through the integration of HPCs, which contribute substantially to ATLAS's Run 3 computing power.</li> <li>• Brian Andrew Cole (Columbia), Riccardo Longo (Urbana UI) for their contribution to the installation, commissioning and operation of the ZDC detector and responding to multiple challenges in November 2024.</li> <li>• Bojan Hiti (Ljubljana), Alissa Howard (Ljubljana), Xuewei Jia (Munich MPI), Mengzhao Li (Beijing IHEP), Chihao Li (Michigan), Kuo Ma (Hefei), Theodoros Manoussos (CERN), Weiyi Sun (Beijing IHEP), Guilherme Tomio Saito (Sao Paulo), Iskra Velkovska (Ljubljana), Xiao Yang (CERN), Mei Zhao (Beijing IHEP) for the successful design and testing campaign of the HGTD LGAD sensors that led to the start of sensor production.</li> <li>• Tobias Bisanz (Dortmund) for management of pixel code and databases, improving reliability and speed of detector calibrations, contributions to operations, and substantial improvements to system stability and monitoring in 2024.</li> <li>• André Rummler (CERN) for years of exceptional management of ATLAS operations, including significant interventions in 2024 to manage the magnets in the face of cooling challenges, enabling excellent data-taking efficiency.</li> <li>• Huacheng Cai (Pittsburgh), Etienne Fortin (CERN), Davide Mungo (Toronto), Pavol Strizenec (Kosice) for successful operation of the LAr detector, including contributions to online software and detector control systems, while commissioning the digital trigger.</li> </ul>
2024 年	<ul style="list-style-type: none"> <li>• Luca Canali (CERN) for outstanding contributions to the ATLAS database infrastructure.</li> <li>• Jackson Barr (University College London), Alexander Froch (Albert-Ludwigs-Universität Freiburg), Philipp Gadow (CERN), Dan Guest (Humboldt University Berlin), Nilotpall Kakati (Weizmann Institute of Science), Dmitrii Kobylanskii (Weizmann Institute of Science), Nikita Ivvan Pond (University College London), Samuel Van Stroud (University College London) for outstanding contributions to heavy flavour tagging algorithms based on Graph Neural Networks.</li> <li>• <a href="#">Liang Guan (Michigan)</a>, Ioannis Mesolongitis (University of West Attica), Michelle Solis (University of Arizona), Aaron White (Harvard University) for understanding the problem of randomly dropping e-links in the NSW and for finding a very effective mitigation for this problem.</li> <li>• Jakub Kremer (DESY), Agnieszka Ogrodnik (Charles University), Martin Rybar (Charles University) for outstanding contributions to the Heavy Ions operation and trigger.</li> <li>• <a href="#">Koji Nakamura (KEK)</a>, <a href="#">Hideyuki Oide (KEK)</a>, <a href="#">Manabu Togawa (KEK)</a> for outstanding contributions to the ITk Pixel project in sensor production, hybridisation and module assembly.</li> <li>• Johannes Junggeburth (University of Massachusetts Amherst), Patrick Scholer (Carleton University) for outstanding contributions to the Run 3 muon software.</li> <li>• Sara Alderweireldt (University of Edinburgh), Rafal Bielski (University of Oregon), Francesco Giuli (CERN), Ralf Gugel (University of Mainz), Claudia Merlassino (University of Udine), Stefanie Morgenstern (CERN), Gabriel Palacino (Indiana University), Aleksandra Poreba (CERN), Antonia Strubig (Stockholm University), Daniele Zanzi (Albert-Ludwigs-Universität Freiburg) for outstanding contributions to the Trigger operation.</li> <li>• Julien Maurer (Bucharest IFIN-HH) for outstanding contributions to the ATLAS prompt reconstruction operation.</li> <li>• Anthony Affolder (UC Santa Cruz), Ian Dyckes (Berkeley LBNL), Vitaliy Fadeyev (UC Santa Cruz), Cole Helling (University of British Columbia, Vancouver), Jacob Wayne Johnson (UC Santa Cruz), Matthew Kurth (Beijing IHEP), Masahiro Morii (Harvard University), Peter Phillips (Rutherford Appleton Laboratory), Luise Poley (TRIUMF), Craig Sawyer (Rutherford Appleton Laboratory) for outstanding contributions to the identification of the vibrational source of cold noise on ITk Strip modules.</li> </ul>
2022 年	<ul style="list-style-type: none"> <li>• Christos Anastopoulos (University of Sheffield) for outstanding contribution to the preparation and ongoing development of the offline reconstruction for Run 3 and beyond.</li> <li>• Rhys Owen (Rutherford Appleton Laboratory) for outstanding contributions to the commissioning of the Level-1 Calorimeter Trigger for Run-3.</li> <li>• Marco Ciapetti (CERN) for outstanding contributions to the ATLAS detector cabling activities in LS2 and planning for LS3.</li> <li>• Fernando Carrio Argos (Centro Mixto Universidad de Valencia, University of the Witwatersrand), Jalal Abdallah (University of Texas at Arlington) for outstanding contributions to the integration of the TileCal HL-LHC Demonstrator into the ATLAS overall TDAQ system.</li> <li>• Tadej Novak (DESY) for outstanding contributions to the integration of the Upgrade Software.</li> <li>• Georges Aad (Aix-Marseille Université), Fatih Bellachia (Université Savoie Mont Blanc), Nicolas Cheillot (Université Savoie Mont Blanc), <a href="#">Yuji Enari (University of Tokyo)</a>, Sylvain Lafrasse (Université Savoie Mont Blanc), <a href="#">Stefan Simion (Université Paris-Saclay)</a> for outstanding contributions to the ATLAS Liquid Argon Calorimeter Digital Trigger System.</li> </ul>

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	<ul style="list-style-type: none"> <li>• Muhammad Alhroob (University of Oklahoma), Katarina Anthony (University of Udine), Steven Goldfarb (University of Melbourne), Clara Nellist (Radboud University), Elise Maria Le Boulicaut (Duke University), Sascha Mehlhase (Ludwig-Maximilians-Universität München) for outstanding contributions to the ATLAS outreach activities.</li> <li>• Bingxuan Liu (Simon Fraser University), <a href="#">Matthias Danninger (Simon Fraser University)</a>, John Stupak (University of Oklahoma), Robin Newhouse (University of British Columbia), Giuliano Gustavino (University of Oklahoma, CERN), Jackson Carl Burzynski (University of Massachusetts Amherst, Simon Fraser University) for outstanding contributions to the integration of large-radius tracking into the standard ATLAS reconstruction.</li> <li>• Artur Coimbra (CERN), Aimilianos Koulouris (National Technological University of Athens, University of Aegean, CERN), Luigi Longo (CERN, Università del Salento), Alexander Naip Tuna (CERN), Rimsky Alejandro Rojas Caballero (Federico Santa María Technical University, University of Victoria), Olga Zormpa (National Centre for Scientific Research "Demokritos"), Chiara Arcangeletti (University of Victoria), Rongkun Wang (Harvard University, University of Michigan and University of Science and Technology of China), <a href="#">Liang Guan (University of Michigan)</a>, Siyuan Sun (University of Michigan), Emanuele Romano (INFN Sezione di Pavia), Estel Perez Codina (TRIUMF), Alam Toro (TRIUMF), Gerardo Vasquez (University of Victoria), Camila Pazos (Brandeis University), Giada Mancini (National Laboratory of Frascati), Polyneikis Tzanis (National Technical University of Athens) for outstanding contributions to the completion of the NSW integration and surface commissioning within the LS2 schedule.</li> </ul>
2020 年	<ul style="list-style-type: none"> <li>• Laetitia Bardo (CERN), Marie-Solene Teurnier (CERN) and Laure Tranchand (CERN) for outstanding contributions and dedication to the safety of ATLAS, especially in 2020.</li> <li>• <a href="#">Susumu Oda (Kyushu University)</a> for outstanding contributions to ATLAS software, notably the multithreaded migration of Athena.</li> <li>• Ewelina Maria Lobodinska (Deutsches Elektronen-Synchrotron DESY) for outstanding contributions to the development of Monte Carlo generator software in the Athena framework.</li> <li>• Clément Camincher (CERN), Adriana Milic (University of Toronto) and Nikiforos Nikiforou (University of Texas at Austin) for outstanding contributions to the operation and performance of the Liquid Argon Calorimeter.</li> <li>• Elodie Deborah Resseguie (University of Pennsylvania and Lawrence Berkeley National Laboratory), <a href="#">Shion Chen (University of Pennsylvania)</a>, George Ian Dyckes (University of Pennsylvania), Khilesh Pradip Mistry (University of Pennsylvania), Daniil Ponomarenko (National Research Nuclear University/MEPhI), Vincent Wong (University of British Columbia) and <a href="#">Keisuke Yoshihara (University of Pennsylvania)</a> for outstanding contributions to the DAQ upgrades and commissioning directed to the TRT operation at high occupancy and trigger rates.</li> <li>• <a href="#">Toshi Sumida (Kyoto University)</a>, <a href="#">Tomomi Kawaguchi (Nagoya University)</a>, <a href="#">Junpei Maeda (Kobe University)</a>, Júlio Vieira de Souza (Universidade Federal de Juiz de Fora) for outstanding contributions to the reduction of the Level-1 muon endcap trigger rates.</li> <li>• Danijela Bogavac (IFAE) for outstanding contributions to the Tile Calorimeter maintenance and commissioning activities in LS2.</li> <li>• George Iakovidis (Brookhaven National Laboratory) for outstanding contributions to the development of front-end electronics and readout for the New Small Wheel detector.</li> </ul>
2018 年	<ul style="list-style-type: none"> <li>• Jeffrey R. Dandoy (University of Pennsylvania) and Khoo Teng Jian (University of Geneva) were celebrated for their creative and dedicated contributions to the measurement of jet energy and missing transverse momentum.</li> <li>• Alex Kastanas (Stockholm University) for his excellent contribution to the on-line luminosity software as well as dedicated operational support.</li> <li>• Noemi Calace (CERN) and Nora Emilia Pettersson (University of Massachusetts) for their remarkable contributions to the ITK upgrade project through simulation, reconstruction and performance studies.</li> <li>• <a href="#">Takuto Kunigo (Kyoto University)</a>, <a href="#">Tomoyuki Saito (ICEPP, University of Tokyo)</a> and <a href="#">Shota Suzuki (KEK)</a> were celebrated for their outstanding contributions in the development, deployment and commissioning of the trigger burst-stopper for the ATLAS Level-1 endcap muon system.</li> <li>• Olga Igonkina (Nikhef), Murrrough Landon (Queen Mary University of London), Imma Riu (Barcelona Institute of Science and Technology), Eduard Simioni (University of Mainz) and Rosa Simoniello (University of Mainz) received awards for their exceptional contributions and dedication in successfully commissioning the Level-1 Topo trigger.</li> <li>• Ed Moyse (University of Massachusetts) and Scott Snyder (Brookhaven National Laboratory) for their outstanding contributions to software development and deployment.</li> </ul>
2016 年	<ul style="list-style-type: none"> <li>• Marcello Bindi (University of Göttingen), Laura Jeanty (Berkeley National Lab), Kerstin Lantzsich (University of Bonn), Karolos Potamianos (Berkeley National Lab) and <a href="#">Yosuke Takubo (KEK)</a> were celebrated for their outstanding contributions to the successful commissioning and operation of the Pixel Detector for the start-up of Run 2.</li> <li>• Dmitri Kharchenko (JINR), Uladzimir Kruchonak (JINR), Konstantin Levterov (JINR) and Enrico Pastori (University of Rome Tor Vergata and INFN) were celebrated for developing new techniques ensuring stable operation of the RPC gas system.</li> <li>• Filipe Martins (Laboratory of Instrumentation and Experimental Particle Physics (LIP)) for his contribution to the</li> </ul>

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	<p>operations and upgrade of the TileCal Detector Control System.</p> <ul style="list-style-type: none"> <li>Ricardo Abreu (University of Oregon), Patrick Czodrowski (CERN), Carlos Barajas (University of Sussex), Joana Machado Miguens (University of Pennsylvania) and Mark Stockton (McGill University) for their outstanding contributions to ensuring the integrity of the Trigger during Run 2.</li> <li>The ATLAS Magnet Team, CERN VSC (Vacuum, Surfaces &amp; Coatings) Team, CERN Central Workshop and CERN Detectors Technology Operations Group were celebrated for their outstanding work on the vacuum bellows for the Endcap C Toroid. This year, in addition to awarding specific members of the collaboration, special recognition was also given to these ATLAS and CERN groups.</li> <li>Magda Chelstowska (CERN) and Christian Ohm (Berkeley National Lab) for providing prompt data reconstruction at Tier 0, especially during the 2015 run.</li> <li>Attila Krasznahorkay (CERN) was given an award for his outstanding contributions to the development and implementation of the Run 2 analysis model, in particular the development of the xAOD.</li> <li><u>Matthias Danninger (University of British Columbia)</u> and <u>Hideyuki Oide (University of Genova and INFN)</u> were celebrated for their outstanding contributions to the real-time tracking of the Insertable B-Layer alignment.</li> </ul>
2015 年	<ul style="list-style-type: none"> <li>Gabriel Facini (University of Chicago) and Anthony Morley (University of Sydney) were recognised for their outstanding contribution to improving track reconstruction in dense environments.</li> <li>David Adams (Brookhaven National Laboratory) and Pierre-Antoine Delsart (CNRS) received awards for leading and implementing crucial changes to jet and Etmis software and development of related xAOD dual use tools during LS1.</li> <li>Tadashi Maeno (Brookhaven National Laboratory) was recognised for his contributions to the design, development and commissioning of innovative new distributed computing software critical to the LS1 S&amp;C upgrade programme and the Run 2 physics programme, including JEDI and the Event Service.</li> <li>James Frost (University of Oxford) was awarded for his contribution to the Data Preparation area, particularly for serving as PROC and DQ convener.</li> <li>Ewa Stanecka (Polish Academy of Sciences) was awarded for her work in the Inner Detector DCS (Detector Control System).</li> <li>Bruce M. Barnett (Rutherford Appleton Laboratory) was awarded for his contribution to the Level 1 calorimeter trigger over many years, and in particular in leading the system successfully through LS1.</li> <li>Frederic Rosset and Cedric Sorde (both with CERN) were recognised for their contribution to the opening and closing process of the ATLAS experiment during LS1.</li> <li>Koichi Nagai (University of Oxford) was recognised for his dedication to SCT operations and Run 2 commissioning.</li> <li>Gary Drake (Argonne National Laboratory), Irakli Minashvili (JINR) and Stanislav Nemecek (Academy of Sciences of the Czech Republic) were awarded for their work leading to the improved reliability Low Voltage Power Supplies and the consolidation of the Front-End electronics of the Tile Hadronic Calorimeter for Run 2.</li> <li>Jiri Masik (University of Manchester), Mark Sutton (University of Sussex), and Dmitry Emelianov and Stewart Martin-Haugh (both with STFC) were recognised for the drastic improvements in performance, timing and flexibility of the ATLAS Trigger Tracking software.</li> <li>Moritz Backes and Michael Rammensee (both with CERN), <u>Yu Nakahama (KEK)</u>, Catrin Bernius (New York University), and Tim Martin and Elisabetta Pianori (both with University of Warwick), received awards for their dedication to the implementation and commissioning of the complex ATLAS Run-2 trigger menu.</li> <li>Guido Volpi (University of Pisa and INFN) was recognised for his original, crucial and extended work on designing the Fast Tracker system (FTK) and its simulation.</li> <li>Nicholas Styles (DESY) received his award for his continuing work to establish and allow simulation and reconstruction of the Inner Detector for Phase II upgrade layouts.</li> </ul>
2014 年	<ul style="list-style-type: none"> <li>Martin Jäkel (CERN) was awarded for his contribution to the technical infrastructure and for being a pillar of the ATLAS operations for the whole of Run I.</li> <li>Jörg Stelzer (CERN), Tomasz Bold (AGH University of Science and Technology Cracow), and Werner Wiedenmann (University of Wisconsin) - Chief architects of the Trigger Core Software group - were recognized for their work in the design, implementation, commissioning and support of the ATLAS Trigger Core Software.</li> <li>John Chapman (University of Cambridge) was awarded for his work in ATLAS simulation, especially in developing, maintaining and coordinating the ATLAS pile-up simulation and digitisation. He dedicated the award to everyone who works in simulation in the collaboration.</li> <li>Walter Lampf (University of Arizona), <u>Stefan Simion (Laboratoire de l'Accelérateur Lineaire Orsay)</u>, and Denis Damazio (Brookhaven National Laboratory) were awarded for their work on the installation, maintenance and problem solving of the Liquid Argon front-end electronics and reconstruction, condition database, calibration, commissioning and running of the Liquid Argon detector during Run I.</li> <li>Nikolay Azaryan, Vitaly Batusov, Mikhail Lyablin (Joint Institute for Nuclear Research Dubna), and Dirk Mergelkuhl (CERN) were recognised for their contribution in the alignment and survey work on almost all of the ATLAS detector components and supporting structures.</li> </ul>

\*青い文字は ATLAS-Japan の研究者、グレイの網掛けは 2 度以上の受賞歴のある研究者