*Please note that program details are subject to change. The downloadable version of the program will be made available, in due course. Additionally, once available, the program will be accessible through our event app for your convenience.									
Time / Date (in AEST)									
Workshop	Trillion Parameter Consortium Tutorial	Quantum Computing workshop + Quantum AI tutorial	AI in Imaging (AM) AI in Material Science (PM)	IBM storage scale user group	Programming Model and Applications for the Grace Hopper Superchip	Best Practices for HPC in the Cloud	Unleashing the Power of AI and Quantum Solutions with High-Performance Computing on Microsoft Azure		
Time	9:00 - 17:00	9:00 - 17:00	9:00 - 17:00	9:00 - 17:00	9:00 - 17:00	9:00 - 17:00	9:00 - 16:00		
Location	Meeting room C3.3	Meeting room C2.3	Meeting room C3.6	Meeting room C3.5	Meeting room C2.6	Meeting room C3.2	Meeting room C2.2		
Organiser	Argonne National Lab/NCI	SCA2024 Organising Committee	UNSW/NCI	IBM	NVIDIA/XENON	AWS	Microsoft & AMD		
Agenda in the Morning	Introduction to AI for Science 9:00:9:15 Registration and Welcome 9:15:9:45 Section 1: Introduction to AI for Science 9:45:1:030 Section 2: Foundation Models in AI H2:30:10:45 Morning Break 1:045:1:2100 Section 3: Using Pre-trained Models 1:200:1:200 Lauch Break	900-20 "Precision ground-state energy calculation for the water molecule on a superconducting matum processor' by Matchine for the water molecule on a superconducting 2.9:0-40 "Applications of Genetic Algorithms for dynamia Circuit Compilations", by Floyd Crevery, Flu University of Mohome 9.4:0-10:0 "Boalding s unified quartum -chascical computing solution with NVIDIA and OQC Industry and the supercomputing participation of the supercomputing 10:00-10:20 "Solving spin models on a quartum computer soft Hamilton "Integrated Quartum -Chascical Applications with CUDA Quartum", by Harish VIDIA "Boalding structure and the supercomputing participation of the supercomputing participation with CUDA Quartum", by Jan-Song Kim, NVIDIA 10:00-1145 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalkov, 11:50-123 "Quantum-centric supercomputing part 1: an architecture vision" by Alandar Stalk	Al is Imaging 9(0): 9:30 Sension I: Introductory lecture to Al computer vision 9:30: 9:20 Industry talk: MONAI-NVisida supported quero source Al medical image many single supported quero source Al medical image 9:40: 10:45 9:40: 10:45 9:40: 10:45 9:40: 10:45 North Computer Statistics (NCI) 10:45: 11:00 Break 11:00: 12:00 Sension 3: Hands-on Al Imaging on the Australian Research Environment (NCI)	8,45-0,00 Coffre & Tra 9,09,035 Weicone & Honoscheying by Andrew Beattie 9,05-015 Introduction and welcome to speaked by Bill Adar / Damon Wynne 9,15-045 "What new in BIM Storage Scale System (NDA Roadmap)" by Chrit Macata "Bill Storage Indjek for Universited Data" by Rasjuh R1 10,15,1160 Morang Break 11,06-11,160 Morang Break 11,06-11,160 "BIM Storage F Walson," by Kabr Karmikar 11,06-11,160 "BIM Storage F Walson," by Kabr Karmikar 11,06-11,160 "BIM Storage F auton I: Fangovering Research with Container Based Computing an E University of Queenal by Joka Container Based Computing an E University of Queenal by Joka Container Based Computing Fauton I: Fusion HCT Storage Fauton I: Fauton HCT (Storage Fauton Fauton HCT) 12,00-13,15 Lands Break	900-9.15 Registration, Lopatics and Wolcome 915-945 Sension 1: NVIDIA Gone Hopper (GL200) Superchip Lindware Deep Date 945-10-15 Sension 2: NVIDIA Gone Hopper (GL200) Superchip CPU Software 10-15-10-30 Monimum Bitook 10-31-100 Sension 3: NVIDIA Gone Hopper (GL200) Superchip GPU Programmage Models Deep Tove 11-00-11-40 Sension 4: NVIDIA Gone Hoppe Tove 11-30-11-80 Monimum Wira-90 and 02A Lindsch Book	000 - 065 Welcome and the second 005 - 050 Cloud fundamentals 9-050 - 1050 Gening annots 0000 - 1050 Gening annots 0000 - 1050 Morning Weak Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning Morning	9:00 + 9:15 Registration and Welcome 9:15 - 9:45 AMD + SMST Stasses 1 with Mark Spurgo from AMD Supercomputing Oubremad with Arms by Minator Golya Charland Arms Manager Stasses 20:11:00 Mark Stasses		
Agenda in the Aflernoon	Adapting and Fine-Tuning Models for Science 13:00:14:15 Sension 4 - Adapting Models for Scientific Data 14:15:44:30 Adacamon Intends 14:30:15:45 Sension 5 - Hands-and Wickshop 15:45:16:00 Wingsup and Q&A 16:00:16:15 Choung Remarks 16:15:17:00 TPC Networking and Informal Discussion	1130+1740 Quartum Al Teterial by Usum, Malamma David, CSRO 1130+1430 Introduction to Quartum Computing 1430+1530 Introduction to Quartum Machine Learning 1530+1640 Adomnon Break 14800-1760 Applications of Quartum Machine Learning	<section-header><section-header><section-header><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></section-header></section-header></section-header>	13.15-13.45 "HIM Seek System 6000" by Laus Bolinchee 13.45.45.14.15 Clean Presentation 14.15.14.05 Tuxera Presentation by Heinrich Werk Keter 14.45.15 "HBM Storage Seek APM Uncease" by Kater Karmakar 15.15 "Afternoon Breach (Spoinscred Dynam) 15.36.4600 "HBM Storage Seek CTES SJ Protocol Update" by Madhu Punjabi "HBM Storage Seek CTES SJ Protocol Update" by Madhu Punjabi "HBM Storage Seek CTES SJ Protocol Update" by Laus Bolinches	13.00 - 13.30 Sension 5 - NVIDIA Grace Hopper (F4I200) Superchip Live Demo 13.00 - 14.30 Sension 6 - NVIDIA Grace Hoppe (14200) Superchip participants' handsen (pri 1) 14.30 - 14.45 Afternoon Break 14.45 - 16.00 Sension 7 - NVIDIA Grace Hoppe (14200) Superchip participants' handsen (pri 1) 16.000 - 16.15 Afternoon Wronge and Q&A 16.15 - 16.30 Clossing Remarks	13.00 - 13.30 Cost controls in the cloud 13.30 - 14.00 Storage in the cloud 14.00 - 14.45 Annexo FSs for Latter and Amazon S3 14.45 - 15.15 Afternoon Iveak 15.15 - 15.45 Automation and repeatability in the cloud / AWS Batch 15.45 - 10.45 AWS Batch 16.45 - 17.20 Summary and Q&A	AMD + MSFT Season 2 with Naryaki longit 14.00 + 14.50 Microsoft Canada 2 with Naryaki longit 14.00 + 14.84 Microsoft Canada Saffarfe 14.45 + 15.90 Affarctone Netak 14.90 - 14.60 Strategies for maning pescaki bioinformatics workloads on Azare with BizData by Felipe Ayrea		

*Please no	Plense note that program details are subject to change. The downloadhelv version of the program will be made available in due course. Additionally, once available, the program will be accessible through our event app for your convenience.										
Time / Dat	Time (Marxi) 20 Feb 2024 (Tuesday)										
Loc	ation	Pyrmont Theatre, 2nd Boor, ICC									
9:00	9.20	Nekone to Courty by Unick Alex Madan									
9:20	9:45	Opening Remarks, by Professor Attila Brungs Vice-Chancellor and Opening Remarks, by Professor Chennupati Jagadish, Presendent o	Noning Remarks, by Professor Multi Brouge Vez-Charcelter and Precident of UNSW Syltery Opening Remarks, by Professor Chemopail Jagdish, Prezendent of Australian Academy of Science								
9:45	10.00	MOU Signing Ceremony Awards Ceremony									
10:00	10:30	Keynote Talk - The Decade Ahead: Building Frontier AI Systems for	r Science and the Path to Zettascale, by Professor Rick L. Stevens								
10:30	11:00	Morning tea break									
11:00	11:30	Plenary Talk - From HPC to CSP - Sustainable Supercomputing wi	th Lenovo Neptune, by Martin Hiegl, Lenovo								
11:30	12:00	Plenary Talk - Unlock Innovation with Azure HPC/AI Infra, by Nid	hi Chappell, Microsoft								
12:00	12:30	Plenary talk - Preparing for Exascale: Is Your Data Infrastructure R	eady for an AI and Quantum World?, by Jonathan Martin, WEKA								
12:30	12:35	Lunch remarks - Building a sustainable future, by Sumir Bhatia, Le	aovo								
12:35	13:30	Lunch break									
		Meeting room C2.2	Meeting room C2.3	Meeting room C2.4	Meeting room C2.5	Meeting room C2.6	Meeting room C3.2	Meeting room C3.3	Meeting room C3.4	Meeting room C3.5	
13:30	15:00	 Brachmeining Fach Konsen at end 1		Louding In Control HTC and Alternation In Astrophysics 1 Learning Mathematical Society (Control International Control Internatio Control International	Statisticality on the Park is France laboratories Cast: Manufant (M. 1973). Martinesking, (M. 1974). Martinesking, (M.	HT chairs (robust through Lynch Lie 21 The Chairs (robust through Lynch Chair of the Animat Lie 21 Lie 21 L	<section-header><section-header><section-header><section-header><text><text><text><text><text></text></text></text></text></text></section-header></section-header></section-header></section-header>	Defaunt 1993 1 Care: analysis 133-540 Table 2000 Table 2000 T	Lister to avail a 10.25408 "ACID Processories and a control of the optimised Processories and a control of t	HC and has in Materials Neight and Honora 1 Lease Analysis (2013) 2013 Toget and solid statistical statistical in the statistical statistical in the statistical intervention (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 2014 (2014) 201	
15:00	15:30	Afternoon tea break									
15:30	17.00	Berchninsteing Juft Veilerun et such 2 Ches: Burg Wang 11:00-13:0 The Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start	Paring the Interface CED BUBCE CED BUBCE AND ADDRESS OF THE ADDRES	Familing the Control Fifty and A between the interstructures of the A transmission of th	The Table A Debit Path Internation Table 30 of Debutered Barry 1997. The Debut Path International Control of Debut Pathon Strength and Debut Pathon International Control States and Pathon International Control of Debut Pathon Research Pathon International Control of Debut Pathon Research Pathon Pathon Pathon Pathon Pathon Pathon Research Pathon Pathon Pathon Pathon Pathon Research Pathon Pathon Pathon Pathon Pathon Research Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pathon Pat	HPC teaching terms 2 131-13-23 teaching and the second constraints of the second constraints 131-131-13 131-131-13 131-131-13 131-131-13 131-131-13 131-131-13 131-131-13 131-131-13 131-131-13 131-131-131-131-131-131-131-131-131-131	 Interesting the first fragment of the second second	Induces track a Control of the Second	Leftery 1934 Clair CBN 2014 (2014) Clair CBN 2014 (2014) Clair CBN 2014 (2014) Clair Clair CBN 2014 (2014) Cla	IIC of Box is Valencia Reage and Recently 2 Cash Colory 2014 (2014) 1990 (2014) (2014) (2014) (2014) (2014) 2014 (2014) (2014) (2014) (2014) (2014) 2014 (2014) (2014) (2014) (2014) 2014 (2014) (2014) (2014) (2014) 2014 (2014) (2014) (2014) (2014) (2014) (2014) 2014 (2014) (2014) (2014) (2014) (2014) (2014) 2014 (2014) (2014) (2014) (2014) (2014) (2014) (2014) 2014 (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014)	
17:00	19.00	Welcome Reception									

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Time / Dat	te (in AEST)	21 Feb 2024 (Wednesday)								
Loc	ation	Pyrmont Theatre, 2nd floor, ICC								
9:00	9:30	Plenary Talk - Supercomputers Power AI, by Trish Damkroger, HPE								
9:30	10:00	Keynote - High-performance Climate Simulations and A	ceptore - High-performance Climate Simulations and AI - from Earth Virtualization to Data Compression by Professor Torsten Hoefler							
10:00	10:30	Plenary Talk - Accelerating Discovery with AWS, by Sit	mon Elisha, AWS							
10:30	11:00	Morning tea break								
11:00	11:30	Keynote - Professor/Director Dieter Kranzlmüller								
11:30	12:30	ED&I Panel - How can engagement with arts and popul	lar culture help to overcome lack of diversity in the i	industry?						
12:30	13:30	Lunch break		1						
		Meeting room C2.2	Meeting room C2.3	Meeting room C2.4	Meeting room C2.5	Meeting room C3.2	Meeting room C3.3	Meeting room C3.4	Meeting room C3.5	
13:30	15:00	Skills & Training 1 - Harnessing HPC skills Chart: Dr Naka Charak, Nes1 13:08:13:0 High Charak, Nes1 13:08:13:0 by Nichard Martine, field of the human Neumanni C. (2014) (1994) (1994) Stockmanni C. (2014) (1994) (1994) Stockmanni C. (2014) (1994) (1994) Information and Communications Technology, 13:08:14:0 13:08:14:0 13:08:14:0 14:08:14:00 (1994) Women in HPC: The Jammy of Stock Stockmanni (1994) Women in HPC: The Jammy of Stock 14:08:14:00 (1994) Women in HPC: The Jammy of Stock 14:08:14:00 (1994) Women in HPC: The Jammy of Stock 14:08:14:00 (1994) The Challenges of Cambridge Adaptogram IIIPC in a Non- by Jule Faure-Lacrete, University of Wottener, "AUKL, "Alliager Of The Challenges of Cambridge Adaptogram IIIPC in a Non- by Julie Faure-Lacrete, University I and Cambridge Adaptogram 14:50:15:00 "IPC Camping: Adaptogram IIIPC in a Non- IIPC Challenges of Ladibly Changerogram IIIPC in a Non- by Julie Faure-Lacrete, University I and Cambridge Adaptogram 14:50:15:00 "IPC Camping: Adaptogram IIIPC in a Non- IIPC Challenges of Ladibly Changerogram IIIPC in a Non- IIPC Challenges of Cambridge Adaptogram IIIPC in a Non- Non-Non-Non-Non-Non-Non-Non-Non-Non-Non-	ArRO forum 1.30pm - 2.00pm Welcome and introduction Vecome 2.30pm Presenting the Research Bata Reference Architecture (RDRA) 2.30pm - 3.00pm Identifying additional features of an RDRA	IsSC: International Workshop on Internet of SuperComputing 2024 Chair: James Lin 13,30-14.00 "System Software for Internet of SuperComputing" by Chan Fan, Pokug University (PKL)) 1400-1430 "Ten-year construction of the computing platform of Southern University of Science and Technology" by Jahua Zhao, Southern University of Science and Technology (SISI) 143:015:00 "Internet of SuperComputing and its best practice at Shanghan Jaao Tang University" by James Lin, Shanghan Jaao Tang University (SJTU)	Network and Data Mavement (miniGRP1) Chair: Anderet Howard 13:20:150 13:20:150 National Chair State (National Chair) Andree Howard, Associated Discussion Chair Andree Howard, Associated Discussion Chair National Discussion Chair National Chair 15:20:421 National Howard, Associated Discussion Technology and Association Chair National Chair Media Hoge, Copenicos Antalisais Regional Das Hobe Manger Genesicos Antalia (National Hose) National Chair National	Al-driven Infractructure I Chair: Dhahadewar K (DK) Panla, Madhu Thorat Tababadewar K (DK) Panla, Madhu Thorat Chairang Intelligent Cylerinfrantscutur for Democrating Al-Activities are for Al- bit Dhahalewar K (DK) Panla, The Ohio State University H 400-14-20 'IIPC Infra for Al MLOps' by Mark Azabour, Learon D'IIPC Infra for Al MLOps' by Mark Azabour, Learon Privacy Proserving Federated Learning as a Service - Mark Maddur, Agoune National Laboratory, University of Chargo H 440-15-00 'IIIC Inducting Al post Arbitrant Data Lakehouse A chietering for dardy's Al Data Chietering for postformate, Hybrid Data Lakehouse A theorem for dardy's Al Data	Industry track 5 Chair: Rapha Nambiar 133-01-600 "HPC & A13-01-600 willer & A1 Convergence – Softwag the worlds biggest challenge along the way by Will Wellington, Lenovo 14:20-14-00 "Bartonducing the first in Wex, NSCC 14:20-14-00 "Introducing the first and way by Swen Breamer, VAST Data 14:26-11-50 "Navarigging HPC Horizons: The Indiapenable Role of Closed an Architectural Success" by Balamangan Ramassamy, Altair	HPC-AI competition 1 13:30-13:01 Ward Lindy-Competition Session Opening" by Pangah Zhu, HPC-AI Advisory Connect 13:40-140 Ward Data Caeff Architectures For The Goresson 14:04-131 Ward Bard Caeff Architectures For The Goresson 14:04-130 Ward State Caeff Architectures For The Goresson 14:04-130 Wardshow Caeff Architectures For The Goresson 14:04-130 Wardshow Caeff Architectures Architecture 14:04-130 Wardshow Caeff Architectures Architectures 14:04-130 Wardshow Caeff Architectures Architectures 14:04-130 Wardshow Caeff Architectures Architectures 14:04-130 Wardshow Caeff Architectures Architectures 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 14:04-130 1	Ibif- Trillion Parameter Consortium The Trillion Parameter Consortium (TPC) - as emerging collective of national laboratories, universities, institutes, and companies - bring together individual and groups who in the triple of the triple of the triple of the triple performance computing systems recording the high- performance computing systems recording of the model of artificial intelligence, uppercompaning, and data sciences of the end of the system in the system is seen set of a string of the system is seen set of the system in the industry of the system is set of the system in the system is set of these domains. These seminars will explore the incredible potential of Large-Jangange Model (ALS) and their synargy with High-Verformance Cooputing (HPC) techniques and isofandagies.	
15:00	15:30	Afternoon tea break	1		1	1				
15:30	17:00	Skills and training 2. Underlag any possibilities through skillsintegrating ADML 6. UPC Chair: 20-Anatasion Pagioannon, Marcreet 1:530:1550 "Transformative Gowth: Navigating the Evolution of NLP Workshops at NCT by Wu Zhanchen, NCI Tachancing Martina Science Fresearch with IPC-familed AI: The Car of Ta Forder Science Constraint by Wu Zhanchen, NCI Tachancing Martina Science Fresearch with IPC-familed AI: The Car of Ta Forder Science Constraint by Tage Science Constraint by Tage Science (Science Constraint) Beilt Tachana (Science Fresearch Science Constraint) by Tanick Tang, UPC Networks Slava Kingf, Mansah University Matte Bioley, NSI Ganas Bharathy, ARDC Anananan Papinannon, Intersect	AcRO forum 1.30pm - 6.30pm Valuating the RDRA through implementation 4.30pm - 500pm Feedback and close	Dectoral Showcase - JMT thesis competition Organisor: Beatin Zarrahi, UNSW	Network and Data Merenerat (minGRP) 2 Chair Andrew Howard 11530-1540 The Inst hene of Content of Henerat The Charles of Content of Henerat Sciences Network (Science) "Networking Division and Exactive December Sciences Network (Science) "Particul Advances Networks" Redwy Wilson, Central "Redwy, Wang, Central Content of the Science of Sciences of Henerat Redwy, Wang, Central Content of the Science of Sciences of Henerat Antralia's research and in the work? Work Work AARNet 16:30-16:30 "Mark Methalewerk 16:30-17:00 Data Mover Challenge presentation	Al-driven lafrastructure 2 Casir: Amir Ayasal 1:3:01:5:0 "Using RAG io extra Data for Monisonal Research definition of the state of the state of the state by Amir Ayam, Switchmed University of Technology 1:5:0:0:6:0 "Al Agent for Technology Computer-Aded Design smits [High Performance Computer- visions] "Automated Technology Landscription of Technology Laborational Computer State of Technology (Laborational Computer State of States) "Optimized Active Learning for Regression Tacks with Uniforms?" by Cable Lin, Annuada Pader & Haiqi Dong, Australian National University	Industry track 6 Chair: Wei Feng 1:3:00-16:00 "How Pergose-built Pice a the Cload Empowers Your Research & Development More" by Nature Landon, Control (Control (Control)) "Accelering performance and any distribution with cload-like "Accelering performance and any distribution of the Control by Matt Wood, Quantum Le 20-16:40 "New card A1" by Garbert, Deng, Giga Company 16:40-17:00 "Demystifting GenA1. The Big AI Moment In Now" by Gabriel Noge, NVIDIA Asia Pacific	HIT-AL COMPETION 2 High-Performance Design, Implementation, Deployment, and Evaluation of The Sull rely Network* Hyp Anni Davide, ERLN Work of Statistical Statistics, Statis, Statistics, Statist, Statistics, Statistics, Statistics, Stati	BeF - HPC AI and Quantum Career Chair: Hoyley Teodale Partists: Kristina Johnson, Defence Science and Technology Group Annala Bhattacharjee, Lenovo Sesh-Jayasnighe, CUF Astral Groves, Schneider Electric Rom Boswenth, XENON Kiawa Scott-Harley, Defence Science and Technology Group	
17:00	18:00				Global Network Advancement Group (GNA-G) meeting				Career session attandees visit sponsor's booth	

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Time / Date	(in AEST)	22 Feb 2024 (Thursday)						
Loci	m Pyrmont Theatre, 2nd floor, ICC							Meeting room C3.5
9:00	9:05	SCA2024 closing remarks and announcement of SCA2025 - NC	ADAC14 Open Symposium					
9:05	9:35	Keynote - A digital twin of the Earth for climate change adaptati	9:00 - 9:10 Welcome & Opening					
9:35	10:05	Keynote - Towards a National Indigenous genomics Ecosystem	9:10 - 10:10 Keynote "Scalable and Efficient AI: Federated Supercomputers and Smartphones"					
10:05	10:30	Data Mover Challenge Awards - Andrew Howard, NCI Best paper and doctoral thesis awards - David Siroky, Dell Tech	nologies				Meeting room C3.4	10:10 - 10:35 10:10 - 10:35 "Benchmarks for System Acceptance under the National Supercomputing Mission" by Shweta Das. C-DAC
10:30	11:00	Morning tea break						
11:00	11:30	Plenary talk - Accelerating Industrial Outcomes with Supercomp						
11:30	12:00	2.00 Poster Session - display in the conference exhibition hall Image: The TOW State State Action Uter Machines, Data State Action, Data Action, Data State Action, Data State Action, Data State Action, Data State Actindue State Action, Data Action, Datin Action, Data State Action,						LDDACH Open Symposium 1110-1133 *Acceptance Testing at the based investor: Challinger and Lessons Learned" by Venitics Mesons Vergaz, OGN, 1133-1140 *Prostor: Benchmarkings, Calabara by Fersy Wang, ORN,
12:00	13:00	Lunch break						
		Meeting room C2.2	Meeting room C2.3	Meeting room C2.4	Meeting room C2.5	Meeting room C3.3	Meeting room C3.4	Meeting room C3.5
13:00	15:00	Skills & Training J - A resilient research workforer: Sociable and neutrinable skill development program. Chr. D Mart Corew, QCT 13:00:125 (Institution of Control of Control of Control Phaling March & Roburds Motogen, WH 61 Callbarges ⁴ by Jalie Kaliande & Roburds Motogen, WH 61 Callbarges ⁴ by Jalie Kaliande & Roburds Motogen, WH 61 Callbarges ⁴ by Jalie Kaliande & Roburds Motogen, WH 61 Callbarges ⁴ (Canada Canada Canada Callbargen, Martine, Martine Canada Canada Canada Callbargen, Martine, Martine 12:5:1400 (Parket) ⁶ Offering Researchers Motogen, Hickathon, Canada Canada Canada Canada Canada Canada Canada (Canada Canada Canada Canada Canada Canada Canada Tangareng Canada Sharet A Organha Sang, HirCAI Advance (Labala, Passer), Callbard Barberg, Martine Reflaxer Like, Sol (Bal) ⁷ Tangwenting Gulden Barberg, Wash The Capastrise Canada Canada Canada Canada Canada Canada Canada Canada Canada Canada Canada Canada ⁷ Shakes, ARDC, Ninh Ghatak, Neilt Math Coree, QCIF	Bet - Sustainability of Al-scale digital research infrastructure Chair: Stove Quenetic and Carnet Wahh, Ionatic Innovation We will discuss the aurimany report from the Sustainability of Al-scale Digital Research Infrastructure workcoop held and elessarch Australianis in October 2023. Homes discussed during the day included: environmental sustainability. Al DRI role in supply chain, scarcity & sovereigned, Al DRI role in supply chain, scarcity & sovereigned, Al DRI role on supply chain, scarcity & sovereigned, Al DRI role on context of Al and Henzoy-takink desciptions to Al, FAIR in the context of Al and Henzoy-takink account in the source of the state of the state of the power for adoptical input on the progressively. An increased conciousness custs to tailor performance wat and cooling efficiency to local concerns. The Hoy gap, however, given uncettainding set, community engagement & confidence in the record for mnex attention given is softwate efficiency, given understanding set, community engagement & confidence in the format, and distinct themes with learnings, a series of workshops is proposed to Interfer develop the questions and findings.	13.68-13.28 IEAA I Organiz The Long yang the dunion of Parsey. Tuning Strategy in to Actual 'by Mark Statelli, Parsey 13.05.09 Roand table discussian: IDAD Partieses A Balages between Technology and the Arts	Bul - HPC Data, Elseptima and Objet storage - Exploring the requirements and torols of complex sets refit data pipelines and the strange sets: that landrings them Chair Clark Schlaphilas, Possy This BoT sets is serve the growing community of researchers, developers, vendors, and facility operators whom are directly involved with attributicing, operating and using activity of the according of the set of the set of the set of the set according of the set of the set of the set of the set in content of the set of the set of the set of the set of collaboration on large scale scientific data sets.	<section-header> Interference Charts: Mains: Data Mains: Mains: Data Charts: Mains: Data Charts: Mains: Data Charts: Mains: Data Charts: Data</section-header>	Italiang the Foundation: Genomic Data Infrastructure for Precision Medicine and Bayood 2 10.06-13:20 Teat & Worttbeine (U.S. San Dege Sapermonniang Carter 12.06-13:30 Teatabag the science research are cale through the Austimic Biolicentonia Landenship Share (AllLeS) ⁴ by Tack Unknein, Ore John Taguer Gandonian, Bays Transis, Neuro Mano, Anarahan Bac/Cannoon 19.06-100 Mano Cartino of Carter San	DJAC14 Open Symposium 1380 - 1450 Koyasa "Prem Generative AI, Isongal AAP, Pomering Advances and Pracital "In Marguran, CFA 1400 - 1423 "Dynamic Multi-GPU Land Balancing in a Task-BaseD DataBow Programming Model" by Joseph Anh, XCI "Integration of Simulation Data Learning and Beyond" by Kongo Maajama, University of Catyo 1423 - 151 "Accelerating AI and Quantum (43-6) - 151 "Accelerating AI and Quantum (43-6) - 151 by Yumke Tanimura, Bysoner Takano, AIST
15:00	15:30				Afternoon te	a break		
15:30	17:00	Skills and training 4 - Supporting Competitional Trainer Community 139325 (Mair Ked Scharfer (1998)) 139426 by Mathikey Maumi Raim, Kaha Aukment (1998) 1400 (1998) 1400 (1998) 1400 (1998) 1400 (1998) 1400 (1998) 1410 (1998	BoF - Institutional Strategies for University HPC		BoP - Embrare: Arm in the datascentre: hands-an experience with the NUDIA Grace Superchip Chair: Gardiel Naugi, NUDIA Arm contained of the become a competitive globox for HTC data to fits Promotion of differency, density, scalability, and hands software ecosystem support. The datascent have how toge been dominated by x86 CPUs. There is a growing interest in diversifying and exploring alternative computer architectures to re-cent a voltrant and diverse ecosystem support. The datascent have how toge been dominated by x86 CPUs. There is a growing interest in diversifying and exploring alternative computer architectures to re-cent a voltrant and diverse ecosystem sit was more than a decade ago. To further advance the Grace Hoper Supecch which thrains together the groundbreaking performance of the NVIDAI Hopper (PU) with high bashwidth and memory collecture of the VVIDAI Hopper (PU) with using 6 die torrigico compatitive PHT Togos of compating performance and up to 500GBs of memory bandwidth at industry using the fort sensition compating PHT Togos of compating PU multiming the sciencies (In hist instructive hand-on ession, our expects will answer any questions you may have about fully unkneg the sciences (In the Minteric compating performance of the CPU and the compating PHT Togos of Compating PU and the Compating Public of the NVIDAI Grace CPU when the theory public of the Crace CPU when the theory public of the trace CPU. We optimize codes for Arm to demyshify those claims that changing CPU architecture is hard. Remote access to NVIDAI Grace will be provided.	Industry track 8 Chair: Wei Pang 15:30-15:30 "OD: Sealing blocks with high-performance quantum to the state of the state of the state by Ginasey Bear, QOX Fachenologies US Single Anneal (Horizon- defined, distributed strange" by Quadrationis, Scalify 16:10:16:30 "Revolutionising (High-Performance By Quadrationis, Scalify "Revolutionising (High-Performance By David Tans, Scapite By David Tans, Scapite By David Tan, Scapite By Statet Strickland, DLG Technology	Italding the Foundation: Genomic Data Infrastructure for Prevision Medicine and Reyard 1530-1540 Theoryteing Deep Neural Networks Reveals Regulary Mechanism for Gene Expression" by Ke Diage ", Guiga Debry Hearth Networks Reveals Regulary Mechanism for Gene Expression" (Annotation Information Infrastructure) "Transformative Impact of Deep Learn (Learner Schleicht) by Kerbarge "Schleicht" Schleicht (Learner Mechanism) (Learner Mecha, Dee Nathall Schleicht) (Learner Mechanism) (Learner Mechanism) (Learn	ADACH Open Symposium 15:30:153 *Alfor Samo Antonica as EXENCES* by Mohamer Ada (AREN 15:51:1660 Chining

*Please note that program details are subject to change. The downloadable version of the program will be made available in due course. Additionally, once available, the program will be accessible through our event app for your convenience.

Time / Date	e (in AEST)	22 Feb 2024 (Thursday)					
start	end	ADAC14 Open Symposium Meeting room C3.5					
9:00	10:35	9:00 - 9:10 Welcome & Opening 9:10 - 10:10 Keynote "Scalable and Efficient AI: Federated Supercomputers and Smartphones" by Torsten Hoefler, ETH/CSCS 10:10 - 10:35 "Benchmarks for System Acceptance under the National Supercomputing Mission" by Shweta Das, C-DAC					
10:35	11:10	Morning tea break					
11:10	12:00	11:10 - 11:35 "Acceptance Testing at the Exascale Frontier: Challenges and Lessons Learned" by Verónica Melesse Vergara, ORNL 11:35 - 12:00 "Frontier: Benchmarking and Pre-Training of Large-Scale AI Models" by Feiyi Wang, ORNL					
12:00	13:00	Lunch break					
13:00	15:15	13:00 - 14:00 Keynote "From Generative AI to Interactive AI, Towards AGI: Fioneering Advances and Practical Experimentations" by Imed Magroune, CEA 14:00 - 14:25 "Dynamic Multi-GPU Load Balancing in a Task-Based Dataflow Programming Model" by Joseph John, NCI 14:25 - 14:50 "Integration of Simulation/Data/Learning and Beyond" by Kengo Nakajima, University of Tokyo 14:50 - 15:15 "Accelerating AI and Quantum Computing Research and Development on ABCI" by Yusuke Tanimura, Ryousei Takano, AIST					
15:15	15:30	Afternoon tea break					
15:30	16:00	15:30-15:55 "AI for Science Activities at RIKEN-CCS" by Mohamed Wahib, RIKEN 15:55 - 16:00 Closing					

*Please note that post details are subject to change.

Time / Date (in AEST)	20 - 22 Feb 9:00 - 17:00						
Location	Exhibition Hall						
	Title	Authors					
Poster 1	Source finding with SoFiA and very large source files - Using Hadoop and Spark to deliver spectral line image data	Abdreas Wicenec, Slava Kitaeff, Gordon German, Geoff Duniam					
Poster 2	Enhancing genomic prediction for digital agriculture applications using ensembles of models	Owen Powell, Shunichiro Tomura, Mark Cooper					
Poster 3	Integrating Genomics and Geospatial Data through ML Models for Metal- Rich Ore Deposit Geolocation	Bianca Renee Palombi					
Poster 4	k-Plan: From the Hospital to the Cluster and Back	Marta Jaros					
Poster 5	Large-scale CFD simulations of the mouth-throat human airway	Brenda Vara Almirall, Hadrien Calmet, Kiao Inthavong					
Poster 6	softSEM: Application and Performance Analysis of soft spectral element method in wave simulations	Heming Zhu					
Poster 7	Computational Design of Single Site Immobilised Molecular Catalysts for CO2 Electroreduction	Catherine Stampfl					
Poster 8	Training Generates Usage	Ley Lafavette					
Poster 9	Mediaflux Livewire: Big Data Through The Eve Of A Needle	Jason Lohrev					
Poster 10	A trial for energy efficient operation in FugakuIncentivizing user cooperation for energy efficienct operations	Fumiyoshi Shoji, Keiji Yamamoto, Yuji Iguchi, Mitsuo Okamoto, Fumichika Sueyasu, Nobuo Ohgushi, Daisuke Kawae, Takahiro Kato					
Poster 11	In overcoming the edge scenario of state-of-the-art cryo-genic electron microscopy (Cryo-EM) scientific instruments with the support of a hyperconverged supercomputing infrastructure – Early Preview Case study: NCI Australia and Centre for Advanced Microscopy	Chung-Han Tsai					
Poster 12	Towards Efficient Stochastic Analysis of Subsurface Flows Using High- Fidelity Computational Modelling	Dmytro Sashko, Travis Mitchell, Lukasz Laniewski-Wollk, Christopher Leonardi					
Poster 13	Mechanistic Insights into the Autocatalytic Esterification of Glycerol with Acetic Acid: A Combined Experimental and Computational Study	Victor Olet, Yun Yu, Hongwei Wu					
Poster 14	High-Performance, Accurate Large-Scale Quantum Chemistry Calculations on GPU Supercomputers using Coulomb-Perturbed Fragmentation	Fazeleh Sadat Kazemian					
Poster 15	Predicting the properties of electrolyte solutions: Integrating simulation and theory	Junji Zhang					