	gram details are subject to change. The downloadable vers	ion of the program will be made available in due course. Additionally, onc	e available, the program will be accessible through our even	t app for your convenience.			
Time / Date (in AEST)		Quantum Computing workshop	AI in Imaging (AM)				Unleashing the Power of AI and Quantum
Workshop	Trillion Parameter Consortium Tutorial	+ Quantum AI tutorial	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	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
Agends in the Morning	Introduction to AI for Science 9:00-9:15 Registration and Nelcome 9:15-9:45 Session 1- Introduction to AI for Science 9:45-10:30 Session 2- Froundation Models in AI 10:30-10:45 Morning Brack 10:45-12:00 Session 3- Using Pre-trained Models 12:200-13:00 Lunch Break	Quantum Computing Workshop Chair Luyd Hieldenbrg 90.9-20 *Precision ground-state energy calculation for the water molecule on a superconducting quantum processor by Michael Jones, Harth Vallary, Lloyd Hieldenberg, Liveriny of Medocure *Quantum control of the processor of the	Al in Imaging Seasion 1: Introductory letter to Al computer vision 9-30 -9-30 Industry talk: MONA1 s visidis-supported open source AI medical mage analysis 9-30 -10-35 Seasion 2: Handson AI imaging on the Australian Research Environment (NCI) 10-55 - 11-00 Break 11-00 - 11-00 Seasion 3: Handson AI imaging on the Australian Research Environment (NCI)	8.85-9.00 Coffice & Ten Coffice & Ten 9.00-9.05 Welcome & Housekepulpy Andrew Beattle 9.05-9.15 Introduction and welcome to speake by Bill Adar / Damon Wynne 9.05-9.15 Introduction and welcome to speake by Bill Adar / Damon Wynne 9.15-9.45 "Whats new in IBM Storage Scales (Storage Scale System (NDA Roadmap)" by Chin Measure 9.45-10.15 TBM Storage Insights for Universated Data* by Ranjith R1 10-15-10.45 "Nvida Presentation" by Gabriel Noaje 10-45-11-90 Mensing Breask 11-00-11-30 "IBM Storage for Welsons" by Kedar Karmakar 11-00-11-30 "IBM Fusion IRG Uselandard - Linguevering Research with Container Based Composting at The University of Danafard by Jake Carroll - UQ "IBM Storage Fusion Frain Ref Vy Andrew Beattle / Reg D'Souza 12-30-12-15 Lunch Break	Registration, Logistics and Welcome 93.5-945 Sension 1: NVIDIA Grace Hopper (GIL000) Superchip Hardware Deep 94.5-10-15 Sension 2: NVIDIA Grace Hopper (GIL000) Superchip CPU Software 94.5-10-15 Sension 2: NVIDIA Grace Hopper (GIL000) Superchip CPU Software 10-15-10-30 Morning Recuk 10-30-11-30 Sension 3: NVIDIA Grace Hopper (GIL000) Superchip GPU 11:00-11-30 Sension 4: NVIDIA Grace Hopper (GIL000) Flatforms and Products Deep Dive 11:00-11-30 Morning Warpen and QuA 12:20-11:00 Lunch Brenk	9:00 - 9:05 Welcome and introduction 9:05 - 9-30 Cloud fundamentals 9:90 - 10:00 Getting started 10:00 - 10:00 Morning threab 10:00 - 10:00 Morning Break 11:00 - 11:00 Morning Break 11:00 - 11:00 Ross BPC multi-node MP application and visualize output 11:00 - 11:00 Identity, access controls, and cost management in the cloud 12:00 - 13:00 Lunch Break	9:00 - 9:15 Registration and Welcome 9:15 - 9:45 AMD = MSFT Seasion I with Mark Spargo from AMD 10:00 - 11:00 Superconsputing OnDemand with Azure by Mandar Gajanhi, Et and Good And HPC 11:00 - 11:20 Moning break 11:30 - 12:20 Scaling ANSYS woltons on Azure HPC by Lewis Clark Lunch break
Agenda in the Aflermoon	Adapting and Fine-Tuning Models for Science 13:00 1:4:15 Sension 4 - Adapting Models for Scientific Data 14:13 - 14:30 Adapting Models for Scientific Data 14:13 - 15:45 Sension 5 - Handson Modelshop 15:45 - 16:00 Wrap-up and Q&A 16:00 1:6:15 Closing Remurks 16:15 - 17:00 TPC Networking and Informal Discussion	13:30 - 17:500 Quantum Al Tutorial by Usuna, Malammatic Daniel, CSIRO 13:30 - 14:300 Introduction to Quantum Computing 14:30 - 15:30 Introduction to Quantum Machine Learning 15:30. Interduction to Quantum Machine Learning Afternoon Break 16:800 - 17:800 Applications of Quantum Machine Learning	Al in Material Science 13:01-13:16 Opening Remoth & Bambacherien The Neuse of Al and Material Science Porf. Bran. Hees, School of Phorovolatic and Renewable Energy Engineering. The University of New South Wales—System Politics of The State of The Sta	13:15-13-45 "IBM Scale System 6000" by Luis Bolimches 13:45-14:15 Client Presentation 14:45-16:45 Tuxera Presentation by Heinrich Von Keler 14:45-16:15 "IBM Storage Scale APM Uncauses" by Kedur Karmakar Afternoon Bread (Opnomored by Tuxera) 13:40-16:00 "IBM Storage Scale CFESs Dy Proche Update" by Masdiu Punjabi 16:00-16:20 "IBM Storage Scale System Performance Tuning" by Luis Bolimches	Session 5 - NVIDIA Grace Hopper (GilZ00) Superchip Live Demo 13:50 - 14:50 Session 6 - NVIDIA Grace Hopper (GilZ00) Superchip participants' hands-on (part 1) 14:30 - 14:45 Alternoon Break 14:30 - 14:45 Alternoon Break 14:35 - 16:00 Session 7 - NVIDIA Grace Hopper (GilZ00) Superchip participants' hands-on (part 2) 16:00 - 16:15 Afternoon Wira-pa and Q&A 16:15 - 16:20 Cloning Remarks	13:00 - 13:00 Cost controls in the cloud 13:20 - 14:00 Stonege in the cloud 14:00 - 14:45 Amazon FSs for Latter and Amazon S3 14:45 - 15:15 Aftermoon break 15:15:15:45 Automation and repeatability in the cloud / AWS Batch 15:45 - 16:45 AWS Batch 15:45 - 16:45 AWS Batch 16:45 - 17:500 Summany and Q&A	AMD+MSFT Sensine 2 with Nasywaki longui LDO 1.46.3 Microsoft Quantima Compans with Microsoft by Images Schifferle 14.55. 15.90 Afternoon break Strategies for running large-scale bioinforming to the control of the control of the BizData by Felipe Ayean

	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. Tim: Docs to ASS 7 20 Feb 2024 (Tuesday)										
Loca	Leatin Pyrmont Theatre, 2nd floor, ICC										
9:00	9:20	Wedome to County by Unick Alles Maldes									
9:20	9:45	Opening Remarks, by Professor Antila Brungs Vice-Chancellar and President of UNSW Syldney pening Remarks, by Professor Chemografi Japafish, Protection of Antonium 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 Science and the Path to Zettascale, by Professor Rick L. Steven	is .							
10:30	11:00	Morning tea break									
11:00	11:30	Plenary Talk - From HPC to CSP - Sustainable Supercomputing w	rith Lenovo Neptune, by Martin Hiegl, Lenovo								
11:30	12:00	Plenary Talk - Unlock Innovation with Azure HPC/AI Infra, by Ni	idhi Chappell, Microsoft								
12:00	12:30	Plenary talk - Preparing for Exascale: Is Your Data Infrastructure I	Ready for an AI and Quantum World?, by Jonathan Martin, WEK	Λ.							
12:30	12:35	Lunch remarks - Building a sustainable future, by Sumir Bhatia, L	enovo								
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	Residentisting Earth Schwen at sold 1 Clair Association Boy "Occurring Challenges in Tendrop-Schwin Courts Countries To Schwin West Countries To	Charles for Marchine of CTV and MEV 1 Chair Beach Value State Sta	Exvelling the Canner-HC and All Internetion In Aritraphysics I. Chair San Barbarra. 128-12-18 128-12-18 128-12-18 128-12-18 139-12-18 130-12-18 139-12-18 13	Sustainability or the Path to Executed Inflormentures Casin Manifolds that is a Manifold to Manifold t	HPC bealership forms 1 Care Trebunet Changed Inguish 100:138 100:138 100:138 Not James Springer Liquides, Product of the Australian Liquides, Product Changed Liquides, Product of the Australian Not Changed Liquides, Product Changed Liquides, NOT	HPC Algorithm, Computational model and Applications Chair Josel Blasses Palane *Auderway Dentality Expressionality and and recommence of IPC and AI by local Blasses Data Blasses Destroyer Charlest Computation of the Charlest	Industry track (Chair anthony bandworth Chair anthony bandworth The Chair anthony bandworth The Chair and The Chair The Mills of The Chair The Chair and The Chair T	Industry track 2 Chair Andy Brids Chair Andy Brids The Chair Andy Brids The Chair And	III'C and fine in Mencrick Bodge and Bionevery 1 Clear Amounts Peters "Ough subsiding memors properly majerious for examplian with by Amounts Peters." In Amountain National Extensively 13-30-4-58	
15:00	15:30	Afternoon tea break									
1530	17:90	Resolutioning Farth Schemes at scale 2 Chair Scheme Mang "BADFA. Adversing the American point of inter-constitution for "BADFA. Adversing the American point of inter-free the Inter- liant Resolution of the Inter- Time Broad-Comment Francisis. Close lies in the Charleston Man- less of the Inter- "Adversing the Inter	Peaking the boundaries of CTD with BFC 2 Chair Behave Fashing The control of CTD with BFC 2 The	Executing the Counce IHC and All Internations in Astrophysics 2 CASP CASE Private 155-18-18-19 Macking the Uniter medium for the constraint of most because of the constraint of a contraction of the constraint		HPC heliciday forms 2 That Tagger Lee Included the Company of the	Labermenter derhopp is he Kazarle era Cart Le Bedoe Nadar. 1539-1548 19 David Arman Le Bedoe Nadar. 19 David Arman Le Bedoe Marke Le Bedoe Nadar. 19 David Arman Le Bedoe Marke Le Bedoe Marke Le Bedoe Nadar. 19 David Arman Le Bedoe Marke Le Bedoe Nadar Le	Industry track 1 Clast Warrar Male "Machinesing for formations for the first of consultation component" by the section of the first of	Underson a park is Chair Chair Manton 153-1646 *Jourgean pear measure. In the dept of and chair More The State of the Chair More State The State of the State of the State Thomas by models that Constant by hostly that, Contain The Vision State of State of the State of the State The Vision State of State of the State of the State The Vision State of State of the St	HPC and Date to Magaritah Rodge and Discoursy 2 Chair: Gauege Meat Anothe Bares Takaning Marinet San 13:00-120 Meat Anothe Bares Takaning Marinet San 13:00-120 Meat Anothe San Section of Control of the San Section	
17:00	1940 Telecome Recorption										

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Time / Dat	Time//Date (in ARST) 21 Feb 2024 (Wednesday)										
Loc	ation	Pyrmont Theatre, 2nd floor, ICC									
9:00	9:30	enary Talk - Supercomputers Power AI, by Trish Damkroger, HPE									
9:30	10:00	ynote - High-performance Climate Simulations and AI - from Earth Virtualization to Data Compression by Professor Torsten Hoefler									
10:00	10:30	enary Talk - Accelerating Discovery with AWS, by Simon Elisha, AWS									
10:30	11:00	Morning tea break	ming tea break								
11:00	11:30	Keynote - More Compute with Less Energy: How HPC	drives Energy Efficiency in Data	Centers, by Professor/Director Dieter Kran	zlmüller						
11:30	12:30	Keynote ED&I - How can engagement with arts and p	opular culture help to overcome la	ck of diversity in the industry?							
12:30	13:30	Lunch break		T		T.	T	T			
		Meeting room C2.2 Skills & Training 1 - Harnessing HPC skills	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	Chaire Pr Nisha Chanda, NeSI 13:30-13-50 13:30-13-50 14:30-13-50 15 y Nathaniel Banch, the end of the hust" by Nathaniel Banch, the end of the hust" by Nathaniel Banch, the end of the hust " by Nathaniel Banch Banch, the hust and th	AcRO forum 1:30pm - 2:00pm Welcome and introduction 2:00pm - 2:30pm Presenting the Research Data Reference Architecture (RDRA) 2:30pm - 3:00pm Identifying additional features of an RDRA	IoSC: International Workshop on Internet of SuperComputing 2024 Chair: James Lin 13-30-14-500 "System Software for Internet of SuperComputing" by Claul Fan, Picking University (PKU) Ten-year construction of the computing platform of Southern University of Science and Technology (SUSY) by Jainus Zan, Chandong State of Science and Technology (SUSY) I-Italy Computing and its best practice at Shanghai Jao Tong University by James Lin, Shagilar line Tong University (STIL)	Network and Data Novement (miniGRP) I Chair: Andrew Howard 13:00:15:00 "Introduction, Supporting Large Data Transfers and the International Data Mover Challenge," Andrew Howard, Associated Director Cloud Services, NCI Australia 13:50:14:15 "Copernicus Australais: Australia's partnership to ensure European data for the Indo-Pacific," Michael Hope, Copernicus Australais Regional Data Hub Manager, Gooscience Australia 14:15:14:04 "Object Storage for Advanced, Complex Scientific Research Data Holdings and Workflows," Chris Schlipalius, Team Lead - Senior Storage Systems Administrator, The Pawaye Supercomputing Centre 14:40:15:00 "Pathways to performant security controls for supercomputing." Julia Philips, Defence Science and Technology Group	Al-driven Infrastructure 1 Chairs: Dhabaleowar K (DK) Panda, Madhu Thorat 133-01-460 "Creating Intelligent Cyberinfinstructure for Democratizing Al-drivines at the NSF-Al Institute RICLEP by Dhabaleowar (DK) Panda, The Ohio State University 14:00-14:20 "HPC Infra for Al MLOps" by Mark Azadpour, Lenovo 14:20-14:40 "Privacy Preserving Federated Learning as a Service - A key capability for building robust Al models for Science" (online) by Ravi Madduri, Argonne National Laboratory, University of Chicago "Unlocking Als posternial High Performance, Hybrid Data Lakehouse Architectures for Today's Al Data Challenges" by Madhu Thorat, IBM	Introducing the first universal Data Faitorm for FIFC & Al" by Sven Breuner, VAST Data 14:40-15:00 "Navigating HPC Horizons: The Indispensable Role of	HPCAI competition 1 13-01-140 "ADAC HPC-AI Competition Session Opening" by Pengzhi Zhu, HPC-AI Advinory Council 13-01-1400 "The New Data Cented Architecture For The Generative AI Early State of the Council Health of	BoF - Trillion Parameter Consortium The Irillion Parameter Consortium (TPC)—an emerging collective of national laboratories, universities, institutes, and companies—framing together individuals and groups who are responsibly developing, training, and harnessing large-scale models along with flow operating the high-performance computing systems necessary for model training. TPC supports collaboration among innovators in the fields of artificial intelligences, supercomputing, and data science. To that end, we are excited to amounce a new series of semimars featuring some of the most grownized figures in the companion of the condition of of the con		
15:00	15:30	Afternoon tea break					•				
15:30	17:00	Skills and training 2. Undecking any possibilities through skills integrating AMM. & IPC Chair: Dr Anastasios Papaioannou, Intersect 1:530:15:00 "Transformative Growth: Navigating the Evolution of NLP Workshops at NCT by Workshops at NCT by Wu Zinnochen, NCT 1:5:00-16:10 "Enhancing Material Science Research with HPC-Enabled AL: The Case of Darwin, a Specialized Language Model for Pervolution State Case of Darwin, a Specialized Language Model for Pervolution State Case of Darwin, a Specialized Language Model for Pervolution State Case of Darwin, a Specialized Language Model for Person Case of Darwins and State Case of Darwins and Dar	AeRO forum 3.30pm - 4.30pm Validating the RDRA through implementation 4.30pm - 5.00pm Feedback and close	Doctoral Showcase - 3MT thesis competition Organisor: Beatta Zarrabi, UNSW	Network and Data Movement (miniGRP) 2 Chair: Andrew Howard 15:30:15:09 "If Data is the new Gold, what are the prospects of the network?" Index Monger, Director of Berkeley Lab's Scientific Networking Division and Executive Director of Energy Sciences Network (Estat), 15:50:16:10 "Practical Advice for Creating Experimental Networks" Rodeny Wilson, Cienna 16:10:16:20 "Fast, reliable, secure: designing the network to carry Australia's research data to the world" by David Wilde AARNet 16:30:16:50 "400G Challenge: Downshe a Green HPC Future" Dr Marck Michalewicz 16:50:17:00 Data Mover Challenge presentation	Al-driven Infrastructure 2 Chair: Amir Aryani 15.30-15.50 "Using RAG to extract the sum National Research Graph by Amir Aryani, Swinburne University of Technology by Amir Aryani, Swinburne University of Technology Technology Computer-Aided Design using High Performance Computing by Shanchro Wong, "USSW "USSW "Automated Technology Landscaping on Patents and Pathiciations" by Lulan Chang, Swinburne University of Technology 16:30-16:50 "Optimised Active Learning for Regression Tasks with Uniformity" by Clobe Lin, Ammed Parker & Haiqi Dong, Australian National University	Industry track 6 Chair: Wei Fang 15.30-1600 "How Purpose-buil HPC in the Cloud Empowers Your Reseach & Development More" by Nasyuki Inagai, Microsia "Accelerate performance and innovation with cloud-like simplicin" by Matt Wood, Quantum 16.20-16-40 New or af AA" by Gary Chang, Ging Computing 16.40-1700 "Demystifying GenArl. The Big Al Moment Is Now" by Gabriel Noaje, NVIDIA Axia Pacific	HPC-AI competition 2 3. A High-Performance Dougle Implementation, Deployment, and Evaluation of The Stim Fly Network by Lens Domke, RIKEN "Growth of SUSTect Supercomputing Team: Opportunities and Challenges in a Complete Environment" by Jahna Zhao, Southern University of Science and Technology 10	BoF - HPC, AI and Quantum Career Chair: Hayley Tessdale Panelists: Kristina Johnson, Defence Science and Technology Group Ananda Bhattacharjee, Lenovo Sach Jayasinghe, QCIF Astrid Groves, Schneider Electric Ron Bosworth, XENON Kiowa Scott-Hurley, 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) Location Pyrmont Theatre, 2nd floor, ICC								
9:00	9:05	SCA2024 closing remarks and announcement of SCA2025 - N	ADAC14 Open Symposium						
9:05	9:35	Keynote - A digital twin of the Earth for climate change adapts	9:00 - 9:10 Welcome & Opening						
9:35	10:05	Plenary talk - Towards a National Indigenous genomics Ecosys	9:10 - 10:10 Keynote "Scalable and Efficient AI: Federated Supercomputers and Smartphones" by Torsten Hoefler, ETH/CSCS						
10:05	10:30	Data Mover Challenge Awards - Andrew Howard, NCI Best paper award - Professor Richard Sanberg	by Torsten Hoelier, ETHUSES 10:10 - 10:35 "Benchmarks for System Acceptance under the National Supercomputing Mission" by Shweta Das, C-DAC						
10:30	11:00	Doctoral thesis awards - David Siroky, Dell Technologies Morning tea break	by Shweta Das, C-DAC						
11:00	11:30	Plenary talk - Accelerating Industrial Outcomes with Supercon	Building the Foundation: Genomic Data Infrastructure for Precision Medicine and Beyond 1 Building the Foundation: Genomic Data Infrastructure for Precision Medicine and Beyond 1 Building the Foundation: Genomic Data Infrastructure for Precision Medicine and Beyond 1 Building the Foundation: Genomic Data Infrastructure for Precision Medicine and Beyond 1						
11:30	12:00	Poster Session - display in the conference exhibition hall	"Flowards cross-bowled access to human genomes and affillated data at sack for research and healthcape for the plant and a sack for research and healthcape for the plant and the plant and the plant and the plant and						
12:00	13:00	Lunch break							
13:00	15:00	Meeting noom C.2 Skills & Training J. As rediinst rewarch workforce: Scalable and outstands will die development programs Chair: Dr Mark Cowe, QCIF 1300-112-5 (panel) "Binding Recurreder Skills though Real-World Challenges" by Mick Inklander, Stevenson Meeting, Meeting Meeting, Meeting Meeting, Meeting Meeting, Meeting Meeting, Meeting Meeting, Meet	Bul' - Sustainability of Al-scale digital recurch infrastructure Chair: Steve Quenette and Carnell Walsh, Inanta Innovation We will discuss the summary expect from the Sustainability of Al-scale Digital Research Infrastructure workshop held at eleksearch Australaus in October 2023. Themes discussed during the day included: environmental suntainability, Al Did I role in supply chain, scarrily & occording to the state of the summary of the summary of the control of the control intercey/scales. As DIRI role in transforming global disciplines to Al, FAIRs in the context of Al and literacy/scales. Across all themes, we discussed matters across the batheurs, scrives and research sales. DIR ecosystem has sufficient buying power to adopt conting innovation progressively. An increased consciousness exists to tailor performance with and cooling efficiency to local concerns. The log pap, however, is the need for more role in overall efficiency. With a baselium understanding set, community engagement & confidence in the format, and definited themes with learnings, as erics of workshops is proposed to further develop the questions and findings.	Meeting room C.2.4 12:86-13:30 EDA1 The Long and Sheet of Direction and Inclusion at Person; These of the Control of the Con	Meeting room C2.5 BoF - HPC Data, FReystems and Object storage - Exploring the requirements and treath of complex sets until data pielenss and the storage sweet that materipa them of the complex sets of th	Meeting room Cl.3 Industry track 7 Chair: Sriniva Tadepaili 11300-1130 "How the convergence of HPC, Mealine Learning, and the Cloud is accelerating productively and innovation for by Srinivas Tadepaili, AND "Budding cloud antire salutions for HPC and AI" by Sanckept Joshi, Network 1130-1150 "Budding cloud antire solutions for HPC and AI" by Sanckept Joshi, Network 1150-11410 "Supercomputing The true con" by Maguel Learning cloud for the faunce of computing of the faunce of computing in the quantum critical production of the faunce of computing in the parameter of computing in the quantum critical production of the computer of the parameter of computing in the parameter of the parameter of computing in the parameter of the parameter	Mexing room C3.4 Building the Foundation: Genomic Data Infrastructure for Precision Medicine and Beyond 2 13:00-13:29 Frank Westerwein, U.C San Deep Supercomputing Centre 13:20-13:40 Finableng Ide science research at scale through the Australian BioCommons Leadershop Shur (AILE-S') by Ziad Al Biblanc, Vokuba Reguare Genetics, Beyl Francis, Servinson, Australian BioCommons "Munual Curation of Genome, Report Parkers, Andrea George, Park Water & Hardip Park, The Australian by Kirat Aleqs, J.King Chang, Terr Plettoric, Archite George, Park Water & Hardip Park, The Australian Character of Common Carlos Control Common	ABACH Open Symposium 13:00 - 14:00 Troon Generative Al to Interactive A. Comment Add Proceeding Advances and Practical Experimentaries Type Interactive Al to Interactive A. Comment A.	
15:00	15:30				Afternoon te	a break			
15:30	17:00	Skills and training 4 - Supporting Computational Trainer Chair Kathryu Unwurth, ARDC 13-31-559 "A Flexible Machine Learning Training Platform via the NeSi Research Developer Good" by Mut Birdey*, Maxime Roe*, Eskah Anderson*, Chris Sood*, NeSil, "NIMA, Unwerstyn of Auskland 15-30-16:10 "Intersect training palients main Nextar Research Cloud" y Adam Vision, Nexton y Adam Vision, Nexton y Adam Vision, Nexton y Adam Vision, Nexton The Community by Giorgia Mord, University of Sysbary Learning Mordan State of the Future Wholds for Training Socsess (Liphing sides of the Future Wholds for Training Activation BioCommunity Medican Burke, Australian BioCommunity Medican Burke, Australian Research Bizzon (Benlitz), "Mark Cowe, CCIF "McAUL* Community Mark Cowe, CCIF All Condition—1 which the training medicals are yet awarener of Auditon—1 which training medicals are yet awarener of?			Bolf - Embrace Arm in the datasentre: hands-on experience with the NYIDIA Grace Supervalue Arm technology has become a compelling shorice for HPC due to its promise of efficiency, density, enablity, and broad software ecocystem support. The datasentre have long been dominated by Stds CPUs. There is a growing interest in diversifying and period software ecocystem support. The datasentre have long been dominated by Stds CPUs. There is a growing interest in diversifying and experience datasentes compute architectures to re-create a vibrant and diverse ecocystem as it was more than a decede ago. To further advance datasenties and accelerated computing solutions, NYIDIA has been grounderscaling performance of the NYIDIA Hasper GPU with the versatility of the NYIDIA Grace CPU, tightly connected with a versatility of the NYIDIA Grace CPU, tightly connected with a performance and up to SOUGHS to memory be analysis of the NYIDIA Grace CPU picks 12 high performance Army George on a performance and up to SOUGHS to memory bandwidth at industry-leading power efficiency. In this interactive hands-on performance and up to SOUGHS to memory bandwidth at industry-leading power efficiency. In this interactive hands-on the proposed proposed to the control of the proposed proposed proposed to the control of the proposed prop	Industry track 8 Chair: Wel Fang 15:30:15:90 "QOX: scaling bloock with high-performance quantum objects of the performance Computing with Scagate and Demander of the performance Computing with Scagate and Demander of the performance Computing with Scagate and Demander of the performance of the per	Building the Foundation: Genomic Data Infrastructure for Precision Medicine and Reyard 3 15-30-15-9 *Interpreting Deep Neural Network Seeds Regulatory Mechanisms for Gene Expression* by Ke Ding**, Gunjan Dekari, Banin Parker & Raya Went, *Australian National University, *National Companyation Infrastructures 15-30-16-10 *Transformative Impact of Deep Learning and Association Infrastructures 15-30-16-10 *Transformative Impact of Deep Learning and Association Melancian Research: A Feora on AlphaFold 2nd and Seeds and Association Melancian Melanci	ADAC14 Open Symposium 1530-1535 *Alf for Science Activities at BAKEN-CCS* by Schamed Walsh, EECN 1555-1600 Closing	

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	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: Pioneering 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

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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					
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