

# Agenda

Welcome and Keynote



Time	Title	Presenter
from <b>9:30</b>	Arrival (Tea & Coffee)	
<b>10:00</b>	Welcome	Cristin Merritt <i>Alces Flight</i>
<b>10:15</b>	<u>Keynote Address</u> Catalysts for Change in Digital Chemistry: Redefining Drug Discovery Through Predictive Modelling and Supercomputing Synergy	Nathan Brown <i>RSC Fellow</i>
<b>10:45</b>	Break (15 minutes)	



# Agenda

Session One: "Designing for Better"



Time	Title	Presenter
11:00	HPC in Formula One: Designs for Speed	Paul Cusdin <i>Alpine F1</i>
11:20	Quantum Computing – Roadmap, Uses and the Continuing Role of HPC	James Thorne <i>NQCC</i>
11:40	Compilers, Creatives, and Collaboration: What HPC Can Learn from DJs and Game Devs	Perry Gibson <i>Fractile</i>
12:00	Keynote and Speaker Q&A	
12:20	Lunch (40 Minutes)	



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## Session Two: "Energy States"



Time	Title	Presenter
13:00	Practical Approaches to Energy-Efficient Supercomputing	Wil Mayers <i>Alces Flight</i>
13:20	Lessons from the edge – what we've learnt when scaling data centre heat reuse	Mark Bjornsgaard <i>Deep Green</i>
13:40	Decoding Carbon: Energy Reporting in Supercomputing	Stu Franks Concertim
14:00	Break (20 minutes)	



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## Session Three: "Rising Elements"



Time	Title	Presenter
14:20	Reflections of a Technology Recruiter	John Fergusson <i>JDF Solutions</i>
<b>Travel Fellows: Lightning Talks</b>		
14:40	Evaluating the Accuracy of Energy Measurement Tools for Data-Parallel Workloads in HPC Environment	Urooj Asgher TU Dublin
14:45	From Pixels to Pedigree: Visual-Transformer based Re-Identification and Genetic Inference of Guppies	Daniel (Danny) Ash <i>University of Oxford</i>
Talks Continue, Next Page...		



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Session Three: "Rising Elements"



Time	Title	Presenter
<b>Travel Fellows: Lightning Talks, cont.</b>		
<b>14:50</b>	Beyond Code: How the Underlying Math Shapes HPC Performance	Xinger Tang <i>University of Edinburgh / EPCC</i>
<b>14:55</b>	GPU offloads for gravity in the SWIFT cosmology code	Sarah Johnston <i>Durham University</i>
<b>15:05</b>	Student Cluster Competitions: Empowering the next generation of HPC	Joseph Moore <i>University of Bristol</i> Thomas Shtasel <i>Imperial College London</i>
<b>15:35</b>	Break (15 Minutes)	



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Session Four: "Opportunities & Conclusion"

Time	Title	Presenter
15:40	Green Computing Initiatives: UKRI and beyond	Dawn Geatches <i>UKRI</i>
15:55	Computing Insight UK and the Cluster Challenge	Damian Jones <i>STFC</i>
16:00	Closing Address: The Next Steps in Supercomputing	
16:20	Q&A and Wrap	
17:00	Event Concludes	

