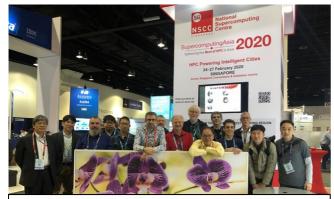


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Data Mover Challenge 2020 (DMC20) – WINNERS Announced!

This year's challenge saw four international teams emerge with accolades for developing uniquely innovative solutions for specific components, each of which are crucial in ensuring the seamless transfer of large amounts of research data across the globe.







Singapore 26 February 2020 - Moving data is an essential foundation of national and global science. The Data Mover Challenge (DMC) is an annual competition that is organised by the National Supercomputing Centre (NSCC) Singapore and brings together experts from industry and academia, to push the envelope in high speed, big data transfer capabilities across vast distances. Data Transfer Nodes (DTNs) for DMC20 connected by 100Gbps international research and education networks were set up globally in Singapore, Australia, Europe, USA, South Korea and Japan.

The DMC20 competition attracted seven (7) international teams from USA, Europe, Japan, Taiwan, Indonesia, Thailand, Vietnam and South Korea (list of participants can be found at www.sc-asia.org/data-mover-challenge-2020/) from both the public and private sectors. The challenge focused on optimising point-to-point data transfers between sites – a crucial step forward in advancing research collaboration and sharing. DMC20 tested the expertise and skills of each of the teams to produce the best solutions for data transfer.

After extensive deliberations and reviews, the panel of international judges decided that there would not be a single overall winner for DMC20. They have instead decided to present not one but four awards to the teams that had shown unique and innovative solutions in various areas. Each of the specific areas are crucial components needed to optimise transfer of huge amounts of data over great distances.

NSCC.SG 1



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Congratulations to all the winning teams!*

Team	Country	Award Name	Citation
Gauss Centre for Supercomputing (GCS) e.V.	Germany	Most Systemic Approach Award	GCS enhanced the DTN service using an under the hood feature to optimize data transfer performance using UFTP integrating with various application received the Most Systemic Approach Award
iCAIR / Starlight	USA	Best Speed & Science Integration Award	Team iCAIR / Starlight's DTN-as-a-Service solution produced high performance data access with NVMe over Fabric with strong integration with Jupyter notebooks received the Best Speed and Science Integration Award
Japan Aerospace Exploration Agency (JAXA) / National Institute of Information and Communications Technology (NICT)	Japan	Experimental Excellence Award	JAXA / NICT's well engineered HCP tool based on their original high performance flexible protocol with GUI integration produced a wide set of tests in challenging environments received the Experimental Excellence Award
National Institute of Informatics (NII)	Japan	Most Innovative & Novelty Award	Team NII's solution of MMCFTP to transfer datasets and accelerate automatic archiving and de-archiving of small files received the Most Innovative & Novelty Award

DMC20 Judging Panel

The awardees were assessed and selected by an international panel of judges comprising domain experts and professionals in the field of networking and data transfer. Members of the judging panel for DMC20 are listed below.

Name	Designation & Organisation	Country	Panel
Andrew Howard	Cloud Systems Manager,	Australia	Chief Judge
	National Computational Infrastructure (NCI)		
Cees de Laat	Professor,	The	Judge
	Informatics Institute, Faculty of Science,	Netherlands	
	University of Amsterdam		
Eric Pouyoul	Network Engineer,	USA	Judge
	Energy Science Network (ESnet)		
Francis Lee Bu	Associate Professor,	Singapore	Judge
Sung	School of Computer Science and Engineering,		
	Nanyang Technological University (NTU)		
Lawrence Wong	Emeritus Professor,	Singapore	Judge
	Department of Electrical & Computer Engineering,		
	National University of Singapore (NUS)		
Tim Chown	Network Development Manager,	UK	Judge
	Jisc		

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For more about the Data Mover Challenge 2020 (DMC20), the participants and the supporting partners, please visit www.sc-asia.org/data-mover-challenge-2020/

*Note – In light of the cancellation of the SupercomputingAsia 2020 (SCA20) conference, the announcement of the winners and the DMC20 Awards Ceremony, which was scheduled to be held on 26 February in Singapore will not be proceeding. The organisers will arrange to present the Awards separately to the winning teams.

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NSCC.SG 3