

2010 年

第12期 总第 36 期（半月刊）

信息化研究与应用快报

主办：中国科学院信息化工作领导小组办公室 承办：中国科学院国家科学图书馆成都分馆

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姜禾 编译自

<http://net.educause.edu/ir/library/pdf/PUB9009.pdf>

<http://www.educause.edu/node/205815>

2010

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ICT

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王春明 编译自

http://www.itu.int/net/pressoffice/press_releases/2010/25.aspx

http://www.itu.int/ITU-D/ict/publications/wtdr_10/material/WTDR2010_e.pdf

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http://www.soumu.go.jp/main_content/000067988.pdf

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<http://www.nisc.go.jp/active/kihon/pdf/senryaku.pdf>

信息化管理与创新

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[http://www.nsf.gov/pubs/2010/nsf10566/nsf10566.htm?WT.mc_id=USNSF_25&WT.mc_ev=cli](http://www.nsf.gov/pubs/2010/nsf10566/nsf10566.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)
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2013 9

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Forge.mil

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CRM

CRM

USA.gov

NASA " " Nebula
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平昭 编译自

http://www.cio.gov/documents/StateOfCloudComputingReport-FINALv3_508.pdf

e-Health

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丁陈君 编译自

http://ec.europa.eu/information_society/activities/health/docs/studies/business_model/business_models_eHealth_report.pdf

专家视点

AAAS

NRC

· Herbert Lin

NRC

NRC

丁陈君 编译自

http://www.aaas.org/news/releases/2010/0528stpf_cyber.shtml?sa_campaign=Internal_Ads/AAAS/RSS_News/2010-01-11/

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田倩飞 摘编自

<http://www.ciaa.org.cn/genfiles/1275273128.html>

信息化技术与基础设施

	35		500	
2010		5	31	35
500		"	"	Nebulae
			"	" Jaguar
1.75 petaflop/s				Linpack
		2.3 petaflop/s		25
		"	"	1.271petaflop/s
Linpack		"	"	Intel X5650
NVidia	Tesla C2050 GPU			2.98 petaflop/s
			"	" Roadrunner
1.04 petaflop/s	Linpack			
		FZJ	IBM BlueGene/P	Linpack
825.5 teraflop/s				" "
Tianhe-1				GPU
CPU	" "		CPU GPU	
"	" "	"		
		Top500		9.2%
55.4%				
1	500			20teraflop/s
24.7teraflop/s				

2	500	425				25
3	408		Intel		81.6%	
402	80.4%		AMD		47	9.4%
	42	IBM Power		42		
	10					
4		IBM	HP			198
39.8%	185	37%		Cray	SGI	Dell
	4.2%	3.4%	3.4%			
5	500	282			277	
	152	144		38	29	24
	51	57		24	18	5
	500					

唐川 编译自

<http://www.top500.org/lists/2010/06/press-release>

2.4 petaflop/s

		2010	
	2.4 petaflop/s		NEC
HP	TSUBAME 2.0		
	TSUBAME 2.0	2.4 petaflop/s	TSUBAME 1.0
30		12	TSUBAME 2.0
GPGPU	SSD		Top500
	Green500		
		Intel	Westmere-EP
CPU	NVidia	Fermi GPU	Nehalem-EX

TSUBAME 2.0

Linux Microsoft Windows HPC

NEC HP

TSUBAME 2.0

200

唐川 编译自

<http://www.hpcwire.com/offthewire/Tokyo-Tech-Announces-Plans-for-24-Petaflop-Supercomputer-94969679.html>

XMC Cat

Data

to Insight Center D2I

" XML "

XML Metadata Concept Catalog XMC Cat

XMC Cat

XMC Cat

XMC Cat

GUI

XMC Cat

LEAD

LEAD

<http://www.supercomputingonline.com/latest/iu-developed-software-helps-researchers-find-meaning-in-massive-scientific-data-sets>

信息化应用与环境

Living Earth
 Simulator " Future
 information and communication technologies knowledge accelerator FuturIcT

FuturIcT

FuturIcT

ETH

750

ETH

姜禾 编译自

<http://www.supercomputingonline.com/latest/social-supercomputing-is-now>

http://cordis.europa.eu/search/index.cfm?fuseaction=news.document&N_RCN=32147

BP

BP

NSF

100

3D

24

NSF

100

1000

500

50

40

2000

100

"

" Advanced Circulation Model for Oceanic,

Coastal and Estuarine Waters

NSF

H1N1

唐川 编译自

http://www.computerworld.com/s/article/9177363/Researchers_race_to_produce_3D_models_of_BP_oil_spill

WiGiT

Wireless Grids innovation Testbed WiGiT

WiGiT

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Cognitive Radios and Networks group CORNET

CORNET

WiGiT

WiGiT

WiGiT

National Science Foundation-Partners for Innovation

NSF-PFI

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<http://www.isgtw.org/?pid=1002545>

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