

# XCRI Cluster Deployments

Site	Contact Person	Email	Nodes	Cores	TFlops	-Users	Remote	Follow-up Consultations	Date	Notes
Montana State University			36	576	11.98		?		April 2015	300 TB of Luster storage [18]
Marshall University	Jack Smith	<a href="mailto:jack.smith@wvresearch.org">jack.smith@wvresearch.org</a>	22	264	8.6			Sept 2018 - GPU rebuild		8 GPU Nodes, 3584 CUDA Cores [19]  <a href="http://www.marshall.edu/itresearch/resources-and-tools/biggreen-cluster/">http://www.marshall.edu/itresearch/resources-and-tools/biggreen-cluster/</a>  Michael McDade <mcdade1@marshall.edu> - HPC Admin/Systems Programmer Patrick Moore <a href="mailto:moore267@marshall.edu">moore267@marshall.edu</a> - Systems Architect Chapman, Justin" <chapman140@marshall.edu> - student during original visit, part of research group using cluster Jack Smith
Pacific Basin Agricultural Research Center (Univ. of Hawaii - Hilo)			16	80	4.3		x			40TB storage, 60TB scratch
Southern Illinois University (Carbondale)	Chet Langin	<a href="mailto:cl.research@siu.edu">cl.research@siu.edu</a>	42	800	35.1	20			Sept 14-18 2015	"Bigdog" research cluster - 2 GPU nodes, 5760 CUDA cores; 5.7 GPU TFLOPS  Matthew Deaton <a href="mailto:mdeaton@siu.edu">mdeaton@siu.edu</a>  Agnes Goh <a href="mailto:agnesgoh@siu.edu">agnesgoh@siu.edu</a>
Bentley University	Jason Wells	<a href="mailto:jwells@bentley.edu">jwells@bentley.edu</a>	<del>46</del> 6	<del>428</del> 304	<del>4.4</del> 18	<del>40</del> 10			Jan 2016	(Double precision - soon to add 8 more nodes; will go to 2 TFLOPS)  2019 update! Includes 6.5 GPU TFLOPS
UTEP – Orion	Patrick Solis	<a href="mailto:pdsolis3@utep.edu">pdsolis3@utep.edu</a>	70	536	43	10			May 2016	Up to 36TFLOPS when next 170 nodes are added; currently also 8 GPU nodes with 240 CUDA cores, 4GB RAM, and 1.3 GPU TFLOPS – 24 more NVIDIA TESLAS to be added as well!
University of Missouri at Kansas City	Paul Rulis	<a href="mailto:rulis@umkc.edu">rulis@umkc.edu</a>	10	80	10		x			BUILT IT THEMSELVES!  Paul Rulis - physics dept.
Brandeis University	Francesco Pontiggia (now at Harvard)	<a href="mailto:pontiggia@g.harvard.edu">pontiggia@g.harvard.edu</a>	145	1900	200	100			Feb 2017	150 GPU TFLOPS (168 GPUs)
Wayne State									July 2017	Remote consult; built cluster over zoom in a day,
South Dakota State U - Campanile	Kevin Brandt	<a href="mailto:kevin.brandt@sdsu.edu">kevin.brandt@sdsu.edu</a>	70	840	10	100-200		June 2017		Not 100% sure how many GPU nodes there are... they are using NVIDI Tesla M2090s @ 1.3TFLOPS each  Kevin Brandt Brian Moore (left) Chad Julius (part-time admin) Maria Kalyvaki (HPC Domain Specialist - still there?)
Oral Roberts University	Stephen Wheat	<a href="mailto:swheat@oru.edu">swheat@oru.edu</a>	?	?	45	10-20	x		? 2017	
Slippery Rock University - Lava	Nitin Sukhija	<a href="mailto:nitin.sukhija@slu.edu">nitin.sukhija@slu.edu</a>	10	280	10	10			Oct 2017	
Doane University - Onyx	Adam Erck	<a href="mailto:adam.erck@doane.edu">adam.erck@doane.edu</a>	33	142	1.6	10			Oct 2018	
University of Cincinnati	Jane Combs	<a href="mailto:combsje@uc.edu">combsje@uc.edu</a>	36	720	101	10-100	partially		Dec 2018 /Jan 2019	<a href="https://research.uc.edu/docs/default-source/default-document-library/arc-status-report-6-month-june-2019.pdf?sfvrsn=96e218f7_2">https://research.uc.edu/docs/default-source/default-document-library/arc-status-report-6-month-june-2019.pdf?sfvrsn=96e218f7_2</a>
George Mason U	Jaysree Sarma	<a href="mailto:jsarma@gmu.edu">jsarma@gmu.edu</a>					x		July 2019	
University of Central Oklahoma	Evan Lemley	<a href="mailto:elemley@uco.edu">elemley@uco.edu</a>	35 + 2 GPU	740	27.2 + 5.72 GPU TFLOPS	50	x		August 2020	2 NVIDIA Tesla K40m @ 1.43 DP TFlops each = +5.72 GPU Tflops
Langston University	Franklin Fondjo	<a href="mailto:ffondjo@langston.edu">ffondjo@langston.edu</a>	27 + 4 GPU	496	18 + 11GPU TFLOPS	10-50	x		Oct 2020	<a href="https://lutgw1.lunet.edu/">https://lutgw1.lunet.edu/</a>

SouthWestern Oklahoma University (SWOSU)	Jeremy Evert	jeremy.evert@swosu.edu	10	320	32.7 DP TFLOPS	10-50	x		May 2021- Dec 2021	More nodes incoming (currently at 10) 2nd OOD user! (1st of the OOD toolkit)
Totals			526	6394	483.57	160				

## Highlights

Marshall (May 2015) - <https://www.marshall.edu/it/services/researchcomputing/biggreen-cluster/>

### IU News

Bentley University, Jan 2016 - <https://itnews.iu.edu/articles/2016/highlight-bentley-university-adds-hpc-cluster-with-aid-from-campus-bridging.php>

UTEP, May 2016 - <https://itnews.iu.edu/articles/2016/highlight-university-of-texas-at-el-paso-adds-new-cluster-with-aid-from-campus-bridging.php>

South Dakota State University, June 2017 - <https://itnews.iu.edu/articles/2017/iu-aids-bigjack-upgrade.php>

Brandeis University, February 2017 - <https://itnews.iu.edu/articles/2017/continuing-the-good-work-at-brandeis-university.php>

Slippery Rock University, Oct 2017 - <https://itnews.iu.edu/articles/2017/slippery-rock-university-begins-high-performance-scientific-computing-with-help-from-iu.php>

Doane, Oct 2018 - <https://itnews.iu.edu/articles/2019/XCRI-team-supports-Doane-University-in-HPC-build-and-implementation-.php>

U. Of Cincinnati, Dec 2018 - <https://itnews.iu.edu/articles/2019/XSEDE%20personnel%20help%20University%20of%20Cincinnati%20create%20Advanced%20Research%20Computing%20Cluster%20.php>

UCO - August 2020 - <https://itnews.iu.edu/articles/2021/XSEDE-and-University-of-Central-Oklahoma-work-together-to-rebuild-UCOs-high-performance-computing-system-Buddy-.php>

Langston - October 2020 - <https://itnews.iu.edu/articles/2021/xsede-langston-university.php>

## Non-Cluster Site Engagements

Site	Contact Person	Date(s)	Notes
Arizona State U	Doug J		
Clarkson	<a href="mailto:bhuntley@clarkson.edu">bhuntley@clarkson.edu</a>		Last email on 05/26/2020
Univ. Mississippi	Kurt Shoemaker		
Brown	<a href="mailto:mete_tunca@brown.edu">mete_tunca@brown.edu</a>		
Univ. Central Florida	Shafaq Chaudhry		
Binghamton	<a href="mailto:mgovinda@binghamton.edu">mgovinda@binghamton.edu</a>		
Oregon State University	<a href="mailto:paul.montagne@oregonstate.edu">paul.montagne@oregonstate.edu</a>		
UT Dallas	Gi? <a href="mailto:jaynal.pervez@utdallas.edu">jaynal.pervez@utdallas.edu</a> , Chris Simmons, etc.?		
	<a href="mailto:gwolesh@njit.edu">gwolesh@njit.edu</a>		Just a quick contact at PEARC, shared an ROI paper
UTSA?	<a href="mailto:brent.league@utsa.edu">brent.league@utsa.edu</a>		
CAU/Spelman	Dina T		Cluster build Tutorial
Morehouse	Alfred W?		
Rutgers			VC support and expansion
Columbia			