

## A Cluster Price Quote

Linux Labs International Inc.

3276 Buford Road  
#104-335  
Buford, Ga 30519

### Estimate

Date	Estimate No.
1/18/2008	1546-2012

Name/Address

University of Richmond  
Gerard P. Gilfoyle  
Science Center room N104  
University of Richmond, VA 23173

		Project	
Description	Qty	Rate	Total
Master node - 4 U Intel 5345 Dual Quad Core Xeon with 4 Gb DDR2 ECC RAM, DVD R/W, RAID 6 with (12) 500 GB Caviar SE16 SATA HD's. Dual power supplies and SATA controller cards. Monitor, keyboard, mouse.	1	11,400.00	11,400.00
Compute nodes - 2 u Intel 5345 Dual Quad Core Xeon with 4 Gb DDR2 ECC RAM,(2) 150 GB Hard Drive.	27	7,800.00	210,600.00
HP ProCurve 48 port Gig E switch with cables	1	4,460.00	4,460.00
Equipment Cabinet - Black with Glass front panel	2	1,650.00	3,300.00
Onsite Installation and training. Includes travel expenses for one technician.	1	2,600.00	2,600.00
Licenses for NimbusOS with new Iron Penguin features	25	472.00	11,800.00
2 year extended service agreement for 24 x 7 phone and email support with depot repair service.	1	12,800.00	12,800.00
Shipping via ground insured	1	1,700.00	1,700.00
This system is (28) dual quad core nodes which is 224 processing cores.			
We thank you for the opportunity to provide this proposal. Feel free to contact us at 866 824 9737		<b>Total</b>	<b>\$258,660.00</b>

## B Letters of Support From Other Users



19th January 2007

Dear Colleagues,

I acknowledge that I am listed among the senior personnel for the NSF Major Research Instrumentation proposal "MRI: Acquisition of a computing cluster for nuclear physics and astrophysics research at the University of Richmond." The proposed investigations will be valuable in the ongoing collaboration between my research group and co-PI Gilfoyle. My research group and I will participate in the proposed analysis and simulations and use the proposed instrument.

Sincerely,

A handwritten signature in blue ink, which appears to read "Michael F. Vineyard".

Michael F. Vineyard  
Frank and Marie Louise Bailey  
Professor of Physics and Chair of the  
Department of Physics and Astronomy



Department of Physics  
and Astronomy  
John E. Edwards Accelerator  
Laboratory  
Athens OH 45701-2876  
T: 740.593.1977  
F: 740.593.1436

January 17, 2008

To Whom It May Concern:

I acknowledge that I am very interested in being a user for the NSF Major Research Instrumentation proposal "MRI: Acquisition of a computing cluster for nuclear physics, astrophysics and computer science at the University of Richmond." The proposed investigations will be valuable in the ongoing collaboration between my research group and co-PI Gilfoyle. My research group and I will participate in the proposed analysis and simulations and use the proposed instrument.

Sincerely,

Kenneth Hicks  
Professor of Physics



16 January, 2008

The NSF Major Research Instrumentation proposal "MRI: Acquisition of a computing cluster for nuclear physics, astrophysics, and computer science research at the University of Richmond" proposes to perform simulations of the MBI and EPIC instruments. The proposed investigations will be valuable in the ongoing collaboration between my research group and co-PI Bunn on these experiments. My research group and I will participate in the proposed simulations by providing technical guidance and code as available.

Sincerely,

A handwritten signature in black ink, which appears to read 'Peter Timbie'.

Peter Timbie  
Professor of Physics  
1150 University Avenue  
Madison, WI 53706  
608-890-2002  
pttimbie@wisc.edu

## C Support Letter from the University of Richmond



January 21, 2008

Dr. Joan M. Frye  
Office of Integrative Activities  
National Science Foundation  
4201 Wilson Blvd.  
Arlington, VA 22230

Dear Dr. Frye:

I am writing to provide the University of Richmond's commitment to the National Science Foundation-Major Research Instrumentation proposal, "**MRI: Acquisition of a Computing Cluster for Nuclear Physics and Astrophysics and Computer Science Research at the University of Richmond,**" being submitted by Drs. Gerard P. Gilfoyle and Emory F. Bunn in the Department of Physics, and Drs. Barry Lawson and Douglas c. Szajda in the Department of Mathematics and Computer Science.

Acquisition of this instrument is critical to the research activities of our faculty and to the research training of our students. This computing cluster will be housed in our Gottwald Center for the Sciences, a newly renovated and enhanced building with extensive new facilities for learning and research. The university is committed to the operation and maintenance of the computing cluster.

For more than eight years, I have worked very closely with the Physics Department and other science faculty, developing and implementing our Strategic Plan's Initiative for Scientific Discovery, the flagship initiative for our institution's renewed focus on student learning and research. Faculty members have diligently revised the curriculum in each program with an emphasis on experiential learning where students are challenged with hands-on and real-world applications. In this curriculum, students are encouraged to join research partnerships under the guidance of our faculty, allowing active engagement and leading to peer-reviewed presentation and publication. Up to date instrumentation is a vital component of this plan for both faculty and students.

As we begin to realize our aspiration of moving from the ranks of the very good science undergraduate programs to one of the very best, each enhancement in instrumentation affecting research takes us closer to our goals. Our facility and programmatic improvements through the Initiative for Scientific Discovery will enhance our students' learning process while on campus and will encourage our students to continue their scientific study beyond their four years at Richmond. At the same time we need partners, highly respected external agencies and foundations that are also committed to improving scientific research, study and education.

I thank you for the opportunity to be considered under the NSF-MRI program.

Sincerely,

  
Andrew F. Newcomb  
Dean

Office of the Dean  
University of Richmond, VA 23173  
(804) 289-8416 Fax: (804) 289-8818

[www.as.richmond.edu](http://www.as.richmond.edu)