

Davis, Teresa L. (Provost Office)

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Saturday, May 05, 2012 9:41 AM
To: Foster, Brian L. (Provost)
Cc: Justice, George
Subject: Re: MU's National Strengths

Brian,
I certainly agree. We have more nuclear scientists outside NSEI than inside NSEI. One thing to be aware of, though: the faculty members who have published the most on small modular nuclear reactors, which is the most central aspect of this Westinghouse effort, are within NSEI. We started a very useful process of trying to unify our nuclear efforts across all organizations at MURR a little over a year ago. This was an open and honest discussion with everyone concerned at the table, and with everyone agreeing to keep confidences until the agreements were in place and MU made a public announcement. I would be delighted to restart this process if you would like me to do so. Otherwise, please let me know when and how you would like me to help. We all see the huge advantage of unifying our nuclear efforts at MU. We just need to bring everyone concerned together in order to achieve this end. May we discuss this further?

Thanks,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
Cell: (505) 450-7480
Office: (573) 882-9500

On May 4, 2012, at 10:35 PM, "Foster, Brian L. (Provost)" <fosterbl@missouri.edu> wrote:

Rob, I wasn't included in this email trail except at the end (that's ok), but I want to emphasize that IF (very iffy) the project materializes, a very small proportion of the engineers involved will be in Nuclear Engineering: there will be mainly civil, mechanical electrical, etc. in greater numbers...or so I'm told by those connected to the discussions of the project. Nuclear is significant, but the others will be the bigger numbers.

Brian

From: Justice, George
Sent: Friday, May 04, 2012 1:53 PM
To: Duncan, Robert V. (Vice Chancellor of Research)
Cc: Foster, Brian L. (Provost)
Subject: Re: MU's National Strengths

I appreciate that, Rob. This is a highly sensitive matter at the moment, and I wanted to make sure the others weren't "left out." Thank you for having thought of it before my (unnecessary) prompting!

George

On May 4, 2012, at 1:44 PM, "Duncan, Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu> wrote:

George,
I intend to involve MURR, NSEI, and the Engineering faculty in the visit that will likely occur on June 5. I copied you only on the NSEI email since you are their dean.
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Justice, George
Sent: Friday, May 04, 2012 12:53 PM
To: Duncan, Robert V. (Vice Chancellor of Research)
Cc: Foster, Brian L. (Provost)
Subject: Re: MU's National Strengths

I think this is great, Rob. I would also suggest that someone from MURR help out, and also other faculty members with nuclear expertise in the College of Engineering. I'm copying Provost Foster on this message--Brian, if you think we should just keep our campus contingent to the 4 NSEI faculty members, let both Rob and me know.

George

On May 4, 2012, at 12:49 PM, "Duncan, Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu> wrote:

Hi Sudarshan and Mark,
This looks promising. I will contact MS&T and Westinghouse as recommended, but I wanted to touch base with you first to be sure that we maximize the chance of getting this nice collaboration going well.
Thanks,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 12:47 PM

To: Schwartz, Robert W.
Subject: RE: MU's National Strengths

Thanks, Bob. I will get in touch as you say below. Fortunately our nuclear engineering faculty members at MU have a strong and very productive collaboration with their counterparts at MS&T, so I am certain that this will work out well.

Thanks,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Schwartz, Robert W.
Sent: Friday, May 04, 2012 11:09 AM
To: Duncan, Robert V. (Vice Chancellor of Research)
Subject: Re: MU's National Strengths

Rob,

Thanks for the information. I've passed it along to Michael Anness at Westinghouse. Please contact him to pursue this further.

Westinghouse would like to bring a team here on either June 4 or 6 to coincide with the visit of the Governor to S&T on June 5. I will ask Krishna to contact you to coordinate. Please let me know if you have questions.

Michael G. Anness
Small Modular Reactor Product Manager
Research & Technology

Westinghouse Electric Company
Phone: +1 (724) 940-8302
Mobile: +1 (412) 607-6645
Email: annessm@westinghouse.com
SMR Home Page: www.westinghousenuclear.com/SMR

Regards,

Bob

Dr. Robert W. Schwartz
Chief of Staff
Office of the President
University of Missouri System
321 University Hall
Columbia, MO 65211
Ph: 573-882-1998

Fax: 573-882-2721
Email: rschwartz@umsystem.edu
Web: www.umsystem.edu

<image001.png>

From: <Duncan>, "Robert V. (Vice Chancellor of Research)"
<duncanrv@missouri.edu>
Date: Monday, April 30, 2012 5:31 PM
To: Robert Schwartz <rschwartz@umsystem.edu>
Cc: "Smith, Gloria" <SmithGl@missouri.edu>
Subject: Fwd: MU's National Strengths

Bob,
Please see the attachment and the part where I summarized a few of the
objective reasons for our strength in nuclear at MU.
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
Cell: (505) 450-7480
Office: (573) 882-9500

Begin forwarded message:

From: "Duncan, Robert V. (Vice Chancellor of Research)"
<duncanrv@missouri.edu>
Date: April 28, 2012 5:35:52 PM CDT
To: "Knorr, Steve" <KnorrS@missouri.edu>, "Stevenson,
Craig A." <StevensonCA@umsystem.edu>
Cc: "Smith, Gloria" <SmithGl@missouri.edu>, "Licklidge,
Mary M." <LicklidgeM@missouri.edu>, "Fender,
Christopher M." <FenderC@missouri.edu>, "Wyatt, Steve
(Economic Development)" <WyattR@missouri.edu>
Subject: MU's National Strengths

Steve and Craig,

I am attaching our list of MU's National Strengths to this
email. I have developed this along with Mary Licklidge,
and with helpful comments from Chris Fender. Please
feel free to contact me if you have any questions or if
you would like us to describe any of these strengths
further.

Thanks,

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

Moore, Marsha M.

From: Kiger, Sam A.
Sent: Saturday, May 05, 2012 11:46 AM
To: Thompson, James E.
Subject: FW: Westinghouse modular reactor effort

Jim:

I expect John Gahl will be our point-of-contact on this.

Redacted

Sam

From: Butler, Ralph
Sent: Friday, May 04, 2012 6:36 PM
To: Duncan, Robert V. (Vice Chancellor of Research)
Cc: Kiger, Sam A.; Thompson, James E.; Smith, Gloria
Subject: Re: Westinghouse modular reactor effort

Ron

This should be College of Engineering.

Ralph

Sent from my iPhone

On May 4, 2012, at 5:27 PM, "Duncan, Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu> wrote:

Ralph and Sam,

Please see Bob's note below. I think I know who you would like to have meet with Westinghouse in early June regarding the proposed modular reactor deal, but please let me know specifically, and feel free to mention this to them directly as well. I have contacted NSEI in a separate email. I understand that we will probably not be named in the prime proposal, but that we will be sub-contracted to for work once this program gets going in association with Ameren at their Calloway site. We have been discussing this for a couple years now, and hopefully it will all come together soon.

Thanks,

Rob

R. V. Duncan, Ph.D.

Vice Chancellor for Research

Professor of Physics

University of Missouri

duncanrv@missouri.edu

P: (573) 882-9500

F: (573) 884-8371

From: Schwartz, Robert W.

Sent: Friday, May 04, 2012 11:09 AM

To: Duncan, Robert V. (Vice Chancellor of Research)

Subject: Re: MU's National Strengths

Rob,

Thanks for the information. I've passed it along to Michael Anness at Westinghouse. Please contact him to pursue this further.

Westinghouse would like to bring a team here on either June 4 or 6 to coincide with the visit of the Governor to S&T on June 5. I will ask Krishna to contact you to coordinate. Please let me know if you have questions.

Michael G. Anness

Small Modular Reactor Product Manager

Research & Technology

Westinghouse Electric Company

Phone: +1 (724) 940-8302

Mobile: +1 (412) 607-6645

Email: annessm@westinghouse.com

SMR Home Page: www.westinghousenuclear.com/SMR

Regards,

Bob

Dr. Robert W. Schwartz

Chief of Staff

Office of the President

University of Missouri System

321 University Hall

Columbia, MO 65211

Ph: 573-882-1998

Fax: 573-882-2721

Email: rschwartz@umsystem.edu

Web: www.umsystem.edu

<941E0393-7A5F-4247-9397-05A780193A51[13].png>

Moore, Marsha M.

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Saturday, May 05, 2012 12:56 PM
To: Loyalka, Sudarshan K.
Cc: Prelas, Mark A.
Subject: Re: MU's National Strengths

Sudarshan,

Thanks, this is important feedback, and I want to incorporate the changes you suggest. This really is a working document that went together fast on short notice at Steve Knorr's request. May we get together sometime maybe over coffee to discuss this further?

Thanks again,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
Cell: (505) 450-7480
Office: (573) 882-9500

On May 4, 2012, at 8:55 PM, "Loyalka, Sudarshan K." <LoyalkaS@missouri.edu> wrote:

Rob:

Thanks, I quickly looked it over, and I thought quite a bit should be modified and added to the nuclear part.

Some suggestions specially with respect to collaborations and interdisciplinary activity:

The description with respect to 1.1 million is outdated, and I think it should be either removed or clarified (the actual INIE grant with NSEI as lead was much more than 1.1 million, but it has been effectively non-operational for last four-five years). NSEI & its DOE sponsored consortium (on VHTRs with NC State and MST, it has been in existence since 2007, and may continue until 2013) and other grants should be included, Medical physics with WashU and accreditation should be included, and consistent top 10 ranking of Nuclear Engineering (NSEI) faculty in the nation in faculty scholarly productivity (academic analytics) should be mentioned (we were rated number one 1 in 2007). The faculty have received many recognitions too, both national and international.

I know with recent actions re NSEI this can be an especially touchy subject with some in the administration, but NSEI exists, and will remain in existence for at least several years.

Sudarshan

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 4:17 PM

To: Prelas, Mark A.; Loyalka, Sudarshan K.
Cc: Smith, Gloria; Justice, George
Subject: RE: MU's National Strengths

Mark, Sure. Here is what we prepared. I consider it to be a 'living document' so let's discuss additions / modifications. Our instructions were to summarize where we were clearly in the top few percent of all universities world-wide, and then to summarize where we are very good, yet still somewhat below 'critical mass' to be identified as one of the very best programs world-wide. Hence the two-tier listing.
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Prelas, Mark A.
Sent: Friday, May 04, 2012 2:26 PM
To: Duncan, Robert V. (Vice Chancellor of Research); Loyalka, Sudarshan K.
Cc: Smith, Gloria; Justice, George
Subject: RE: MU's National Strengths

Rob,

I did not get the attachment on MU's national strengths. Is this something that you can share?

Mark

Mark A. Prelas, PhD and PE
Professor and Director of Research
Nuclear Science and Engineering Institute
University of Missouri
Columbia, MO 65211 USA
Phone: +(573) 882-9691
Fax: +(573) 884-4801
E-Mail: prelasm@missouri.edu
Web Page: <http://prelas.nuclear.missouri.edu>

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 12:49 PM
To: Loyalka, Sudarshan K.; Prelas, Mark A.
Cc: Smith, Gloria; Justice, George
Subject: FW: MU's National Strengths

Hi Sudarshan and Mark,

This looks promising. I will contact MS&T and Westinghouse as recommended, but I wanted to touch base with you first to be sure that we maximize the chance of getting this nice collaboration going well.

Thanks,

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 12:47 PM
To: Schwartz, Robert W.
Subject: RE: MU's National Strengths

Thanks, Bob. I will get in touch as you say below. Fortunately our nuclear engineering faculty members at MU have a strong and very productive collaboration with their counterparts at MS&T, so I am certain that this will work out well.

Thanks,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Schwartz, Robert W.
Sent: Friday, May 04, 2012 11:09 AM
To: Duncan, Robert V. (Vice Chancellor of Research)
Subject: Re: MU's National Strengths

Rob,

Thanks for the information. I've passed it along to Michael Anness at Westinghouse. Please contact him to pursue this further.

Westinghouse would like to bring a team here on either June 4 or 6 to coincide with the visit of the Governor to S&T on June 5. I will ask Krishna to contact you to coordinate. Please let me know if you have questions.

Michael G. Anness
Small Modular Reactor Product Manager
Research & Technology

Westinghouse Electric Company
Phone: +1 (724) 940-8302
Mobile: +1 (412) 607-6645
Email: annessm@westinghouse.com
SMR Home Page: www.westinghousenuclear.com/SMR

Regards,

Bob

Dr. Robert W. Schwartz
Chief of Staff
Office of the President
University of Missouri System
321 University Hall
Columbia, MO 65211
Ph: 573-882-1998
Fax: 573-882-2721
Email: rschwartz@umsystem.edu
Web: www.umsystem.edu

<image001.png>

From: <Duncan>, "Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu>
Date: Monday, April 30, 2012 5:31 PM
To: Robert Schwartz <rschwartz@umsystem.edu>
Cc: "Smith, Gloria" <SmithGl@missouri.edu>
Subject: Fwd: MU's National Strengths

Bob,

Please see the attachment and the part where I summarized a few of the objective reasons for our strength in nuclear at MU.

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
Cell: (505) 450-7480
Office: (573) 882-9500

Begin forwarded message:

From: "Duncan, Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu>
Date: April 28, 2012 5:35:52 PM CDT
To: "Knorr, Steve" <KnorrS@missouri.edu>, "Stevenson, Craig A." <StevensonCA@umsystem.edu>
Cc: "Smith, Gloria" <SmithGl@missouri.edu>, "Lickliders, Mary M." <LicklidersM@missouri.edu>, "Fender, Christopher M." <FenderC@missouri.edu>, "Wyatt, Steve (Economic Development)" <WyattR@missouri.edu>
Subject: MU's National Strengths

Steve and Craig,

I am attaching our list of MU's National Strengths to this email. I have developed this along with Mary Lickliders, and with helpful comments from Chris Fender. Please feel free to contact me if you have any questions or if you would like us to describe any of these strengths further.

Thanks,

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

Moore, Marsha M.

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Saturday, May 05, 2012 2:02 PM
To: Loyalka, Sudarshan K.
Cc: Prelas, Mark A.; Smith, Gloria
Subject: RE: MU's National Strengths

Sudarshan,

I just looked over my schedule between now and commencement activities, and I have almost no time until after I return from China in late May, but if it is feasible I would be delighted to discuss this with you tomorrow mid-morning. I completely understand that you probably have other plans on short notice, and I certainly don't want to cut into family time. But if it happens to be convenient, then we could get together tomorrow at 10 am or so. Please feel free to come by our place for coffee and bagels if you like, and please bring Mark and anyone else who you would like to be part of this discussion. No problem if this doesn't work – we will simply try to set another time.

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Loyalka, Sudarshan K.
Sent: Saturday, May 05, 2012 1:29 PM
To: Duncan, Robert V. (Vice Chancellor of Research)
Cc: Prelas, Mark A.
Subject: Re: MU's National Strengths

Thanks, Rob. I am quite free next week, & I suspect Mark is also. Pl let us know what might be a good time for coffee, & we will look forward to seeing you-

Sudarshan

On May 5, 2012, at 12:55 PM, "Duncan, Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu> wrote:

Sudarshan,

Thanks, this is important feedback, and I want to incorporate the changes you suggest. This really is a working document that went together fast on short notice at Steve Knorr's request. May we get together sometime maybe over coffee to discuss this further?

Thanks again,

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri

Cell: (505) 450-7480
Office: (573) 882-9500

On May 4, 2012, at 8:55 PM, "Loyalka, Sudarshan K." <LoyalkaS@missouri.edu> wrote:

Rob:

Thanks, I quickly looked it over, and I thought quite a bit should be modified and added to the nuclear part.

Some suggestions specially with respect to collaborations and interdisciplinary activity:

The description with respect to 1.1 million is outdated, and I think it should be either removed or clarified (the actual INIE grant with NSEI as lead was much more than 1.1 million, but it has been effectively non-operational for last four-five years). NSEI & its DOE sponsored consortium (on VHTRs with NC State and MST, it has been in existence since 2007, and may continue until 2013) and other grants should be included, Medical physics with WashU and accreditation should be included, and consistent top 10 ranking of Nuclear Engineering (NSEI) faculty in the nation in faculty scholarly productivity (academic analytics) should be mentioned (we were rated number one 1 in 2007). The faculty have received many recognitions too, both national and international.

I know with recent actions re NSEI this can be an especially touchy subject with some in the administration, but NSEI exists, and will remain in existence for at least several years.

Sudarshan

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 4:17 PM
To: Prelas, Mark A.; Loyalka, Sudarshan K.
Cc: Smith, Gloria; Justice, George
Subject: RE: MU's National Strengths

Mark, Sure. Here is what we prepared. I consider it to be a 'living document' so let's discuss additions / modifications. Our instructions were to summarize where we were clearly in the top few percent of all universities world-wide, and then to summarize where we are very good, yet still somewhat below 'critical mass' to be identified as one of the very best programs world-wide. Hence the two-tier listing.

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Prelas, Mark A.
Sent: Friday, May 04, 2012 2:26 PM
To: Duncan, Robert V. (Vice Chancellor of Research); Loyalka, Sudarshan K.
Cc: Smith, Gloria; Justice, George
Subject: RE: MU's National Strengths

Rob,

I did not get the attachment on MU's national strengths. Is this something that you can share?

Mark

Mark A. Prelas, PhD and PE
Professor and Director of Research
Nuclear Science and Engineering Institute
University of Missouri
Columbia, MO 65211 USA
Phone: +(573) 882-9691
Fax: +(573) 884-4801
E-Mail: prelasm@missouri.edu
Web Page: <http://prelas.nuclear.missouri.edu>

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 12:49 PM
To: Loyalka, Sudarshan K.; Prelas, Mark A.
Cc: Smith, Gloria; Justice, George
Subject: FW: MU's National Strengths

Hi Sudarshan and Mark,
This looks promising. I will contact MS&T and Westinghouse as recommended, but I wanted to touch base with you first to be sure that we maximize the chance of getting this nice collaboration going well.
Thanks,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 12:47 PM
To: Schwartz, Robert W.
Subject: RE: MU's National Strengths

Thanks, Bob. I will get in touch as you say below. Fortunately our nuclear engineering faculty members at MU have a strong and very productive collaboration with their counterparts at MS&T, so I am certain that this will work out well.

Thanks,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Schwartz, Robert W.
Sent: Friday, May 04, 2012 11:09 AM
To: Duncan, Robert V. (Vice Chancellor of Research)
Subject: Re: MU's National Strengths

Rob,

Thanks for the information. I've passed it along to Michael Anness at Westinghouse. Please contact him to pursue this further.

Westinghouse would like to bring a team here on either June 4 or 6 to coincide with the visit of the Governor to S&T on June 5. I will ask Krishna to contact you to coordinate. Please let me know if you have questions.

Michael G. Anness
Small Modular Reactor Product Manager
Research & Technology

Westinghouse Electric Company
Phone: +1 (724) 940-8302
Mobile: +1 (412) 607-6645
Email: annessm@westinghouse.com
SMR Home Page: www.westinghousenuclear.com/SMR

Regards,

Bob

Dr. Robert W. Schwartz
Chief of Staff
Office of the President
University of Missouri System
321 University Hall
Columbia, MO 65211
Ph: 573-882-1998
Fax: 573-882-2721
Email: rschwartz@umsystem.edu
Web: www.umsystem.edu

<image001.png>

From: <Duncan>, "Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu>
Date: Monday, April 30, 2012 5:31 PM
To: Robert Schwartz <rschwartz@umsystem.edu>
Cc: "Smith, Gloria" <SmithGl@missouri.edu>
Subject: Fwd: MU's National Strengths

Bob,
Please see the attachment and the part where I summarized a few of the objective reasons for our strength in nuclear at MU.
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
Cell: (505) 450-7480
Office: (573) 882-9500

Begin forwarded message:

From: "Duncan, Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu>
Date: April 28, 2012 5:35:52 PM CDT
To: "Knorr, Steve" <KnorrS@missouri.edu>, "Stevenson, Craig A." <StevensonCA@umsystem.edu>
Cc: "Smith, Gloria" <SmithGl@missouri.edu>, "Lickliger, Mary M." <LickligerM@missouri.edu>, "Fender, Christopher M." <FenderC@missouri.edu>, "Wyatt, Steve (Economic Development)" <WyattR@missouri.edu>
Subject: MU's National Strengths

Steve and Craig,

I am attaching our list of MU's National Strengths to this email. I have developed this along with Mary Lickliger, and with helpful comments from Chris Fender. Please feel free to contact me if you have any questions or if you would like us to describe any of these strengths further.

Thanks,

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

Moore, Marsha M.

From: Loyalka, Sudarshan K.
Sent: Saturday, May 05, 2012 2:41 PM
To: Duncan, Robert V. (Vice Chancellor of Research)
Cc: Prelas, Mark A.; Smith, Gloria
Subject: Re: MU's National Strengths

Ron

Thanks, 10:00am is fine. I will come by your place. I will check with mark & others also.

Sudarshan

On May 5, 2012, at 2:01 PM, "Duncan, Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu> wrote:

Sudarshan,

I just looked over my schedule between now and commencement activities, and I have almost no time until after I return from China in late May, but if it is feasible I would be delighted to discuss this with you tomorrow mid-morning. I completely understand that you probably have other plans on short notice, and I certainly don't want to cut into family time. But if it happens to be convenient, then we could get together tomorrow at 10 am or so. Please feel free to come by our place for coffee and bagels if you like, and please bring Mark and anyone else who you would like to be part of this discussion. No problem if this doesn't work – we will simply try to set another time.

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Loyalka, Sudarshan K.
Sent: Saturday, May 05, 2012 1:29 PM
To: Duncan, Robert V. (Vice Chancellor of Research)
Cc: Prelas, Mark A.
Subject: Re: MU's National Strengths

Thanks, Rob. I am quite free next week, & I suspect Mark is also. Pl let us know what might be a good time for coffee, & we will look forward to seeing you-

Sudarshan

On May 5, 2012, at 12:55 PM, "Duncan, Robert V. (Vice Chancellor of Research)" <duncanrv@missouri.edu> wrote:

Sudarshan,

Thanks, this is important feedback, and I want to incorporate the changes you suggest. This really is a working document that went together fast on short notice at Steve Knorr's request. May we get together sometime maybe over coffee to discuss this further?

Thanks again,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
Cell: (505) 450-7480
Office: (573) 882-9500

On May 4, 2012, at 8:55 PM, "Loyalka, Sudarshan K." <LoyalkaS@missouri.edu> wrote:

Rob:

Thanks, I quickly looked it over, and I thought quite a bit should be modified and added to the nuclear part.

Some suggestions specially with respect to collaborations and interdisciplinary activity:

The description with respect to 1.1 million is outdated, and I think it should be either removed or clarified (the actual INIE grant with NSEI as lead was much more than 1.1 million, but it has been effectively non-operational for last four-five years). NSEI & its DOE sponsored consortium (on VHTRs with NC State and MST, it has been in existence since 2007, and may continue until 2013) and other grants should be included, Medical physics with WashU and accreditation should be included, and consistent top 10 ranking of Nuclear Engineering (NSEI) faculty in the nation in faculty scholarly productivity (academic analytics) should be mentioned (we were rated number one 1 in 2007). The faculty have received many recognitions too, both national and international.

I know with recent actions re NSEI this can be an especially touchy subject with some in the administration, but NSEI exists, and will remain in existence for at least several years.

Sudarshan

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 4:17 PM
To: Prelas, Mark A.; Loyalka, Sudarshan K.
Cc: Smith, Gloria; Justice, George
Subject: RE: MU's National Strengths

Mark, Sure. Here is what we prepared. I consider it to be a 'living document' so let's discuss additions / modifications. Our instructions were to summarize where we were clearly in the top few percent of all universities world-wide, and then to summarize where we are very good, yet still somewhat below 'critical mass' to be identified as one of the very best programs world-wide. Hence the two-tier listing.

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Prelas, Mark A.
Sent: Friday, May 04, 2012 2:26 PM
To: Duncan, Robert V. (Vice Chancellor of Research); Loyalka, Sudarshan K.
Cc: Smith, Gloria; Justice, George
Subject: RE: MU's National Strengths

Rob,

I did not get the attachment on MU's national strengths. Is this something that you can share?

Mark

Mark A. Prelas, PhD and PE
Professor and Director of Research
Nuclear Science and Engineering Institute
University of Missouri
Columbia, MO 65211 USA
Phone: +(573) 882-9691
Fax: +(573) 884-4801
E-Mail: prelasm@missouri.edu
Web Page: <http://prelas.nuclear.missouri.edu>

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 12:49 PM
To: Loyalka, Sudarshan K.; Prelas, Mark A.
Cc: Smith, Gloria; Justice, George
Subject: FW: MU's National Strengths

Hi Sudarshan and Mark,
This looks promising. I will contact MS&T and Westinghouse as recommended, but I wanted to touch base with you first to be sure that we maximize the chance of getting this nice collaboration going well.
Thanks,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Duncan, Robert V. (Vice Chancellor of Research)
Sent: Friday, May 04, 2012 12:47 PM
To: Schwartz, Robert W.
Subject: RE: MU's National Strengths

Thanks, Bob. I will get in touch as you say below. Fortunately our nuclear engineering faculty members at MU have a strong and very productive collaboration with their counterparts at MS&T, so I am certain that this will work out well.

Thanks,
Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

From: Schwartz, Robert W.
Sent: Friday, May 04, 2012 11:09 AM
To: Duncan, Robert V. (Vice Chancellor of Research)
Subject: Re: MU's National Strengths

Rob,

Thanks for the information. I've passed it along to Michael Anness at Westinghouse. Please contact him to pursue this further.

Westinghouse would like to bring a team here on either June 4 or 6 to coincide with the visit of the Governor to S&T on June 5. I will ask Krishna to contact you to coordinate. Please let me know if you have questions.

Michael G. Anness

Small Modular Reactor Product Manager
Research & Technology

Westinghouse Electric Company
Phone: +1 (724) 940-8302
Mobile: +1 (412) 607-6645
Email: annessm@westinghouse.com
SMR Home Page: www.westinghousenuclear.com/SMR

I am attaching our list of MU's National Strengths to this email. I have developed this along with Mary Licklider, and with helpful comments from Chris Fender. Please feel free to contact me if you have any questions or if you would like us to describe any of these strengths further.

Thanks,

Rob

R. V. Duncan, Ph.D.
Vice Chancellor for Research
Professor of Physics
University of Missouri
duncanrv@missouri.edu
P: (573) 882-9500
F: (573) 884-8371

Moore, Marsha M.

From: Foster, Brian L. (Provost)
Sent: Saturday, May 05, 2012 10:34 PM
To: Justice, George
Subject: RE: NSEI one pager slightly updated--READ THIS ONE: BF markup
Attachments: NSEI one pager geo j dft bf markup 050512.doc

George, here are some suggested changes to your draft, which I thought was VERY good. Sorry it took so long to get back to you...had an event last night, and was busy all day. If you "accept changes", this still fits on one page. Let me know what you think. The suggested changes are all editorial, nothing really of significant substance.
Brian

-----Original Message-----

From: Justice, George
Sent: Friday, May 04, 2012 3:32 PM
To: Foster, Brian L. (Provost)
Cc: Kaufman, Linda L.
Subject: NSEI one pager slightly updated--READ THIS ONE

Made a couple of changes--this version better. My whole life is going to be taken up with various versions of various documents related to NSEI. Perversely, I am beginning to enjoy it!

George

Chancellor Wallace provisionally created The Nuclear Science and Engineering Institute (NSEI) in 2002, was created as a Center at the University of Missouri-Columbia in 2002. This action followed eight years of disputes between faculty in the former Nuclear Engineering department and the Dean of Engineering. There were positive and negative factors behind the NSEI's creation.

- Positive: The NSEI was conceived as an interdisciplinary center, taking advantage of faculty strengths in Engineering, in Physics, in Chemistry, in Medicine, and in infrastructural strengths including the MU Research Reactor (MURR). The vision for NSEI was to bring together campus assets to be able to provide research and graduate education in groundbreaking ways.
- Negative: Because of the history of conflict, ~~Redacted~~ ~~Redacted~~ tenure homes of five faculty members were moved from the Nuclear Engineering department in the College of Engineering to NSEI, which was housed as an interdisciplinary center in the Graduate School, reporting to the Graduate Dean.

As it turned out, the particular interest of the faculty members tenured in NSEI differed from the broad campus interest in bringing together our assets in nuclear science and MURR. In effect, the interdisciplinary center ended up functioning as a very small, free-standing floating department of five faculty members. These faculty members have done a good job with master's and PhD degrees in narrow specialties of Nuclear Engineering, including specialties in (Power Engineering, Health Physics, and Medical Physics). But NSEI has been unable to achieve to live up to the goals outlined by Chancellor Wallace in 2002. These goals included financial self-sufficiency, as well and effectively bringing together campus assets.

NSEI Interim Director Wynn Volkert (a faculty member from Medicine rather than Engineering) retired in 2006. The review mandated by Chancellor Wallace's letter was postponed until a search for a new director could be made. This search identified a candidate, but the candidate decided that NSEI was not structured in a way that could make the position a success. Graduate Dean Pam Benoit was in process of putting together an external review of the program when she left MU for Ohio University, where she now serves as provost. Current Graduate Dean George Justice, who, like Benoit, has served as Acting Director as well as dean of NSEI, commissioned the mandated external review of the program in 2010.

The external reviewers, nationally prominent faculty in the field of Nuclear Engineering, delivered a report that pointed out deep flaws in the current structure. Dean Justice began in 2010 a dialogue with the NSEI faculty members--currently numbering four, after the retirement of Dr. Bill Miller--about the future of the unit, and he also began talking with others on campus. No permanent director was named because it was clear that the structure of NSEI was going to change.

On March 12, 2012, Justice announced a major change to the administrative structure of the Graduate School. The Truman School of Public Affairs and NSEI would leave the Graduate School, whose main mission and expertise does not involve administering line units with faculty positions.

In NSEI, students would continue to be well served by their current curricula and advisors. But the educational and research programs would evolve to bring together more faculty and to take better advantage of campus assets. The faculty would have two years to find the most appropriate home in an academic college. The College of Engineering would build a much larger, accredited Nuclear Engineering degree program (the NSEI current degree in the Graduate School is not accredited by the main Engineering accreditation body), and the Graduate School would house a large, very interdisciplinary degree programs in Nuclear Science and Engineering.

Based on productive comments by students and others, the time frame for disbanding NSEI has been changed, but the goals remain the same: build an up outstanding degree programs in Nuclear Engineering.

and a campus-wide interdisciplinary program in Nuclear Science and Engineering, and a campus-wide research center that brings together human and infrastructural resources for state of the art research. ~~eh,~~ and manage faculty positions in an administratively efficient and effective manner.