Meeting Minutes
Research and Commercialization Council

Thursday, June 11, 2015
1:00pm – 5:00pm CST
Sheraton Sioux Falls & Convention Center
Sioux Falls, SD

Members Present:	Brad Wheeler	Pat Lebrun
	Dave Link	Kathryn Johnson
	Eddie Sullivan	Pat Costello
	Jason Dilges (SDBFM)	Paul Batcheller

Members Not Present: Jack Warner

Others Present:	Jim Morgan-Board of Regents member
	Mike Rush-Incoming Executive Director Board of Regents

Staff Present:	Nathan Lukkes (SDBOR)	Mel Ustad (GOED)
	Paul Turman (SDBOR)	

The meeting was called to order at 1:20pm (CST) by Brad Wheeler.

Dave Link moved to approve the minutes of the June 4, 2014 meeting.
Eddie Sullivan seconded the motion. Motion to approve the minutes passed unanimously.

Kathryn Johnson announced that Jim Morgan will be replacing her as the Board of Regents member on the Research and Commercialization Council and that Mike Rush the in coming Executive Director of the South Dakota Board of Regents will replace Jack Warner when he retires July 1, 2015.

Dave Link asked if her position is appointed by the Governor or the Board of Regents. Jason Dilges that the Board of Regents must inform the Governor of the member they would like to have serve. The Board of Regents has informed of the Governor's office of the change.

The Research Center Directors began their annual presentations.

Three Center Directors presented reports detailing their activities from the previous year outlining any major research highlights, grant activity, job creation, and a proposed budget for the coming year.

"Composite & Nanocomposite Advanced Manufacturing Center" present by David Salem

This Center is moving into its 3rd year. Some major research highlights for the FY15 were CNAM developed a process for producing fiber-reinforce thermoplastic composites. The

invention was disclosed and a provisional patent was filed in May 2015. The development of a semi-structural automotive component that will be tested by an industrial partner later in June 2015 was also highlighted.

The Center has collaborations with CNAM the eight Industrial Consortium Members along with Keneka, Teijin, Waterford Energy Solutions, Mark Forged, SGL Group. The Center's University of South Dakota and South Dakota State University partners are active in the research activities.

Grant activity includes industrial contracts of $579,082 and $375,000 in federal funding. FY 2015 total expenditures of $1,364,082 were reported. Four grants requests were currently pending totaling $8,136,946 and 7 grants were awarded in FY 2015 totaling $861,582. Center funding comes from membership fees of the consortium companies, contract research, and federal grants from DoD/ARL. The Center activities support 9 faculty members, 5 researchers, 1 technician, 14 graduate students, and 12 undergraduate students.

FY16 budget requests amounts to $400,000. The Center also requests carry over funding for payroll and supplies of FY15. The Center submitted four special project requests totaling $104,400.

Dr. Salem reported that with the industrial consortium and contract research the Center could grow but space in their current facility is the limiting factor. Kathryn Johnson and Brad Wheeler commented that they had visited the Center and space if limited and a problem.

"Advanced Manufacturing Process Technology Transition & Training Center" presented by Christian Widener

Major research highlights include SDSM&T has become a recognized leader in development and application of cold spray technology. The Center has published 11 journal articles, spoke at major cold spray venues, and a spin-off company, VRC Metal Systems, has sold eight units and has received two Small Business Innovation Research grants to develop specific applications for the navy. The Air Force has also established Ellsworth Air Force base as a repair center using cold spray technology and is requesting funding to support it. MOOG a Center industrial partner has plans to begin repair operations at Ellsworth AFB. The Center has also developed a six axis advanced motion system for intelligent manufacturing which can bring in large research grants and have a significant impact on a range of manufacturing processes.

The Center has collaborations with SDSU and industrial partners including HF Webster, VRC Metal systems, Core Members, MOOG, and Nordson-Xaloy.

Grant activity includes 46 proposals sent out in two years and 22 of them were successful. FY 2015 Centers expenditures included $399,992 in federal funding and $578,1 68 in industrial contracts. Total expenditures were $1,410,160. They currently have $3.5M in research proposals pending and $1.9M are being planned for FY16.

The Center supports 18 undergraduate and 12 graduate students and 9 researchers. VRC Metal Systems has created 15 jobs manufacturing the cold spray systems. VRC Metal Systems won the Governor's Giant Vision business plan competition. The Center has signed 3 licensing agreements for their patents and generated $25,970 for license revenues in FY15 for Cold Spray Patents.

The Center presented it FY 2016 budget request of $400,000 and also two special project requests totaling $75,000.

Pat Lebrun noted the Center's success in generating federal and industrial funding along with creating manufacturing jobs in South Dakota noting this has generated a good return on the state investment.

"Biochemical Spatiotemporal Network Resource" presented by Adam Hoppe

Major research highlights include 4 new faculty hires, building a state of the art microscopy facility, high performance computing network, and developing cGMP facility of production of drugs and medical devices for pre-clinical and clinical trials. The focus of the Center has been to strengthen research teams, building the basic science research and developing collaborations with industry to commercialize the results.

The Center collaborations include SDSU, USD, SDSM&T, Augustana College, Mount Marty College, Sanford Research and Avera Research. The Center has funded seed research grants for collaborations with SAB Biotherapeutics, Sanford Research and Mastel Precision Surgical Instruments.

The Center has 11 research grant applications totaling $7,525,140 pending and 5 investigators will be submitting R01applictions to the National Institutes of Health in FY 2016. In addition to the $20,000,000 NSF PSCoR award the Center had 4 grants awarded in FY15 totaling $1,029,366.

The Center is supporting 27 undergraduate and 11 graduate students along with 9 researchers. This does not include the new tenure track faculty that the state institutions have committed to the Center.

The Center requested a budget of $2,872, 950 for FY16 and to carryover of $150,00 that would be used to fund additional seed grants with industry in FY 2016.

Dave Link commented that Center needs to become more focused as the Center's Scientific Advisors have advised.

Pat LeBrun moved to go into executive session to discuss Center performance.
Paul Batcheller seconded the motion.
Motion passed unanimously.

David Link moved to leave executive session.
Jason Dilges seconded the motion.
Motion passed unanimously.

Mel Ustad and Nathan Lukkes were directed to provide the Council's feedback to the Center directors.

David Link moved to approve the FY 2016 budget and carry over requests for the three centers subject to adjustments allowing for funding of special project requests for the center. Mel Ustad and Nathan Lukkes would work with the Center Directors to make the adjustments and report to the RCC members.

Eddie Sullivan seconded the motion. Motion passed unanimously.

Jason Dilges moved to adjourn.
Pat LeBrun seconded the motion. Motion passed unanimously.

Meeting adjourned at 6:00 pm.