

Outline for Annual Center Reports – FY2013

I. Mission of Center

To forge a bidirectional pathway between transdisciplinary research and artistic output, scientific and commercial discovery, and educational innovation

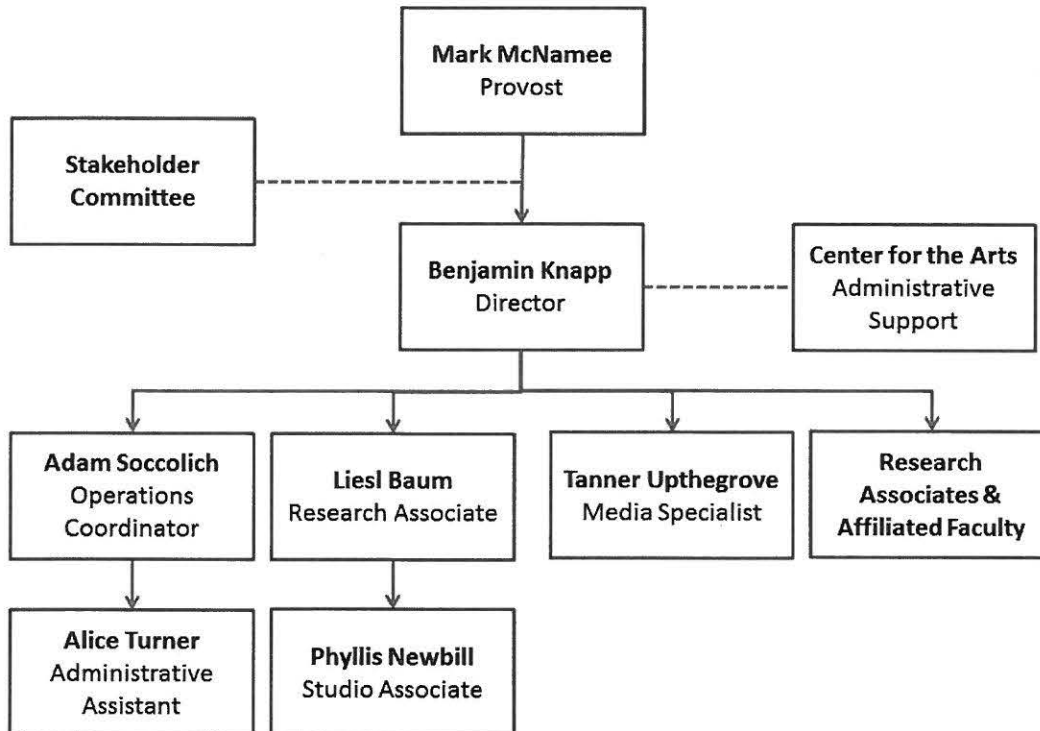
II. Classification of Center and Organizational Structure

Director, Dr. Benjamin Knapp

Contact: Adam Soccolich, Operations Manager

www.icat.vt.edu

1. Organizational chart, showing faculty, staff and reporting relationships with related units,



2. A list of faculty affiliated with the center,

1. Dane Webster - SOVA
2. Ico Bukvic - SOPA
3. Yong Cao - CS
4. Ann Kilkelly - SOPA
5. Tom Martin - ECE
6. Michael Evans - SOE
7. Chris Williams - ME
8. Deborah Tatar - CS
9. Larry Fenske - ID
10. Aki Ashida – Arch.
11. Joycelyn Wilson - SOE
12. Arianna Wyatt - SOPA
13. Nicholas Polys - CS
14. James Ivory – Comm.
15. Paola Zellner – Arch.
16. Sam Blanchard - SOVA
17. Doug Bowman - CS
18. Susan Duncan – Food Sci.
19. Carol Burch Brown - SOVA
20. Akshay Sharma – ID
21. Manisha Sharma - Sociology
22. Joan Grossman - SOPA
23. Matt Wisniowski - STS
24. Kurt Cameron - CS
25. Glenda Gillaspay - Biochem.
26. Billie Lepczyk - SOPA
27. Matt Wagner – Arch.
28. Joe Wheeler – Arch.
29. Ed Fox - CS
30. Steve Sheetz - AIS

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3. *List of students supported by center administered funds, % of center support, department affiliation, degrees awarded, and*
 1. *Chao Peng (100% support, Computer Science, PhD awarded)*
 2. *Teri Finn (100% support, School of Education, No degree awarded yet)*
 3. *Brennon Bortz (100% support, Computer Science, No degree awarded yet)*
 4. *Manpreet Hora (100% support, Computer Science, No degree awarded yet)*
 5. *Blake Sawyer (100% support, Computer Science, No degree awarded yet)*
 6. *Deba Saha (100% support, Computer Engineering, No degree awarded yet)*
 7. *Emily Mikkelson (100% support, Mechanical Engineering, No degree awarded yet)*
 8. *Jackie Pontious (100% support, Urban & Regional Planning, No degree awarded yet)*
 9. *Justin Fine (100% support, Creative Technologies, No degree awarded yet)*
 10. *Lyusyena Kirakosyan (100% support, Policy and Governance, No degree awarded yet)*
 11. *Nikhila Yeruva (100% support, Computer Engineering, No degree awarded yet)*
 12. *Noha Elsherbiny (100% support, Computer Science, No degree awarded yet)*
 13. *Reza Tasooji (100% support, Creative Technologies, No degree awarded yet)*
 14. *Sharon Lynn Chu Yew Yee (100% support, Computer Science, No degree awarded yet)*
 15. *Sruthi Iyer (100% support, Computer Science, No degree awarded yet)*
 16. *Kristen Patuto (100% support, Fine Arts, No degree awarded yet)*
 17. *Audrey Pfund (100% support, Fine Arts, No degree awarded yet)*

4. *Identify classified staff and administrative positions by title and FTE, identify source of fiscal support – department fiscal staff, center fiscal staff*
 1. *Adam Soccolich (Operations Manager, 1.0 FTE, 100% E&G funded)*
 2. *Tanner Uptegrove (Media Specialist, 1.0 FTE, 100% E&G funded)*
 3. *Alice Turner (Administrative Assistant, 0.5 FTE, 100% E&G funded)*
 4. *Additional fiscal and administration support from Center for the Arts*

III. Amendments to the Center Charter

None

IV. Stakeholder Committee

- *Dean of the College of Engineering, **Richard Benson***
- *Dean of the College of Sciences, **Lay Nam Chang***
- *Dean of the College of Architecture and Urban Studies, **Jack Davis***
- *Dean of the Graduate School, **Karen DePauw***
- *Director of ICAT, **Benjamin Knapp***
- *Dean of the College of Liberal Arts and Human Sciences, **Sue Ott Rowlands***
- *Vice President of Finance and CFO, **M. Dwight Shelton, Jr.***
- *Chair, Executive Director of the Center for the Arts, **Ruth Waalkes***
- *Vice President of Research, **Robert Walters***

Last committee meeting: May 20th, 2013

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V. Major Contracts Received in 2011-2012

- *Mark Gardner, R. Benjamin Knapp, Eric Brown, Keith Bisset, Steven Ellingson, "CC-NIE Network Infrastructure: ASCED --An Advanced Scientific Collaboration Environment and DMZ," NSF Grant #1245827, \$291,260, September 2012 – September 2014.*
- *"SIEMPRE - Social Interaction and Entrainment using Music Performance Experimentation - US Extension," European Union FP7-ICT-2009-C FET Open, Grant # 250026, €65,000, May 2012 - May 2013.*
- *Matthew Wisnioski (PI), "Humanities Symposium: Understanding Innovation Expertise." Virginia Tech College of Liberal Arts and Human Sciences. \$8,000. For a workshop in spring 2015.*
- *Troy Abel (PI), Matthew Wisnioski, Michael A. Evans, R. Benjamin Knapp, et al. "Human-Centered Design." Virginia Tech Interdisciplinary Graduate Education Program. \$400,000.*
- *Thomas Campbell, Christopher Williams, Benjamin Knapp, Richard Goff, Jamie Camelio, CRCF, Additive Manufacturing (3D Printing) System for Nanocomposites - \$200,000, August 1, 2012 – July 31, 2014.*
- *Aki Ishida (PI), Ico Bukvic, Benjamin Knapp, Brennon Bortz, "Interactive Audio-Visual Field at the National Cherry Blossom Festival," \$30,634 donation from Phillips Corporation, March 2013*
- *Aki Ishida (PI), Ico Bukvic, Benjamin Knapp, Brennon Bortz, "Interactive Audio-Visual Field at the National Cherry Blossom Festival," \$1800 grant from Smithsonian Freer Sackler Galleries, March 2013*
- *Aki Ishida (PI), Ico Bukvic, Benjamin Knapp, Brennon Bortz, "Interactive Audio-Visual Field at the National Cherry Blossom Festival," \$1600 grant from National Cherry Blossom Festival Inc., March 2013*
- *Aki Ishida (PI), Ico Bukvic, Benjamin Knapp, Brennon Bortz, "Interactive Audio-Visual Field at the National Cherry Blossom Festival," \$1390 grant from the Japan Foundation New York, March 2013*

VI. Major Proposals Submitted or Pending

- *R. Benjamin Knapp, James Ivory, Yong Cao, Ivica Bukvic, Nicholas Polys "II-NEW: Living Lab for Asynchronous and Synchronous Investigation of Virtual and Real Environments," NSF Grant #1305231, \$585,510, September 2013 – September 2015.*
- *Douglas Bowman, Yong Cao, Ivica Bukvic, Dane Webster, Thomas Tucker, Benjamin Knapp, Nicholas Poly, MRI: Development: CREATE Cube: instrumentation to support collaborative, immersive 3D visualization in a large-scale physical space, \$1,302,280, August 1, 2013 – July 31, 2016.*
- *Matthew Wisnioski, "Scholars Award. Inventing Innovators: Innovation Expertise and the Making of Late-Twentieth-Century Technoscientific Selves," Sponsored by National Science Foundation, \$189,690.00.*
- *Benjamin Knapp, Sanmay Das, Tina Salva, Karen Roberto, Aki Ishida, "Integrated Self-Management Intervention System Addressing Emotional Wellness & Frailty of Older People," NIH grant, September 1, 2013 – August 31, 2017, \$1,287,693*
- *Ivica Bukvic Aubrey Knight Isabel Bradburn, Benjamin KnappSHB: Type I (EXP): Mind-Body Interactive: Optimizing Access, Learning, Compliance, and Evaluation of Integrative Health and Prevention Programs, \$586,898.00*

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VII. Significant Accomplishments in 2012-2013

- *Hired Media Specialist and Administrative Assistant*
- *Inaugural member of ArtsEngine and supported the Mellon grant which purpose is to explore education and the arts.*
- *Updated version of website now receives an estimate of over 100,000 hits per month.*
- *Informal educational initiatives included development of Studio STEM, Maker Camp and Caine's Arcade, designed to harness students' creativity and encourage them to act on their curiosity.*
- *Formal Educational initiatives included collaboration with local middle school teachers to explore STEM concepts in a design-based, transdisciplinary learning environment.*
- *Partnership established with Interdisciplinary Graduate Education Programs (IGEP)*
- *Contributed to entrepreneurship initiatives through StartUp class (created by Jack Lesko, Associate Dean for the College of Engineering) and the CREATE! Class (in conjunction with Honors Residential).*
- *Initiated acquisition and design process of new library space for DAAS/DISIS laboratory*
- *Formalized institute's proposal/grant program, which included providing approximately \$100,000 in major research projects ranging from 3D visualization tools to STEM education to interactive installations. Inaugural recipients include:*
 - *Michael Evans "StudioSTEM"*
 - *Joycelyn Wilson "HipHop2020 Curriculum Project"*
 - *Ariana Wyatt "OPERAcraft"*
 - *Steve Harrison & Deborah Tatar "FractionalDrumming"*
 - *Thomas Tucker "Creating 3D Visualization Tools to Study Canine Puppy Socialization Behaviors"*
 - *Thomas Tucker "The Analysis of Odd Fellows Hall Architecture and Acoustics"*
 - *Aki Ishida "Interactive Audio-Visual Field at the National Cherry Blossom Festival"*
 - *Anisa Zvonkovic "Making Space: Publicizing 'Ordinary' Women's Lives through a Transdisciplinary Dance & Social Collaborative Project"*
 - *Manisha Sharma "Gendered Arrangements"*
 - *Andy Morikawa "Community Voices"*
 - *Tom Martin "Smart textile student projects with NASA Johnson Space Center"*
- *Cherry Blossom Festival involved over 22,000 children at the Smithsonian Freer Gallery in Washington, DC with the purpose of building an interactive installation*
- *ArtsFusion lecture series of free events which brings cutting-edge artists, scientists, engineers, and designers to campus to explore topics across disciplines (i.e. data visualization, and animation) and with the common theme of cultivating creative process. Estimated over 500 total audience members.*
- *"Tech or Treat" was a fall technology event featuring Halloween fun-themed technologies developed by students and faculty at the university from a variety of disciplines. It also allows children to learn more about science, technology, engineering and math.*
- *"DinoDig" was a spring technology event which allows people to explore campus and learn fun dinosaur facts by using an augmented reality application. This was co-developed with a local company, Radford University, and the Children's Museum of Blacksburg. Estimated over 500 total audience members.*
- *"TEDxVirginiaTech" was a local, self-organized event that brought people together to share a TED-like experience. This not-for-profit event is organized by Virginia Tech's Center for Instructional Development and Educational Research (CIDER), Institute for Creativity, Arts, and Technology (ICAT), and University Relations. Last year's inaugural event was exclusive to 100 audience members.*

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VIII. Industrial Affiliates Program

NA

IX. Report of Financial Condition

See attached

X. Major Issues of the Center

The ongoing issue for the coming years for ICAT continues to be awareness (and funding) at the State level. In its first full year of operation, ICAT has expanded more rapidly than expected., with faculty affiliates from seven of the eight academic colleges. One of the challenges for this coming year will be the process of moving into the new facilities. This will require diverting resources away from ICAT development to establishing studios in the new building.

Once completed, please send a copy of your center report to David Hungate in the Controller's Office (hungate@vt.edu or mail code 0312).

Financial Activity Report

For Year Ending June 30, 2013

Center Name: Institute for Creativity, Arts, and Technology (ICAT)

Date Prepared: 9/30/2013

Oversight Responsibility: Senior Administrator: Mark McNamee

Sponsored Project Activity:

Fund No.	Sponsor	Current Fiscal Year				Next Fiscal Year's Projections		
		Beginning Balance	Revenues	Expenditures	Ending Balance	Revenues	Expenditures	Balance
448704	CIT - CRCF	0	1,245.17	1,245.17	-	2,252.83	2,252.83	-
457986	VT-ARC - Siempre NSF - CRI UTC - VTTI Just Drive	0	-	-	-	53,658.00 413,446.00 150,000.00	53,658.00 413,446.00 150,000.00	- - - - -
Subtotal:		-	1,245.17	1,245.17	-	619,356.83	619,356.83	-

Sponsored Project Cost Sharing Activity:

Fund No.	Sponsor	Current Fiscal Year				Next Fiscal Year's Projections		
		Beginning Balance	Revenues	Expenditures	Ending Balance	Budget	Expenditures	Balance
138431	CIT - CRCF	0	3,143.38	3,143.38	-	52,000.00	52,000.00	-
Subtotal:		-	3,143.38	3,143.38	-	52,000.00	52,000.00	-

Financial Activity Report

For Year Ending June 30, 2013

Center Name: Institute for Creativity, Arts, and Technology (ICAT)

Date Prepared: 9/30/2013

Oversight Responsibility: Senior Administrator: Mark McNamee

Virginia Tech Foundation Activity:

<u>Fund No.</u>	<u>Sponsor</u>	<u>Current Fiscal Year</u>				<u>Next Fiscal Year's Projections</u>		
		<u>Beginning Balance</u>	<u>Revenues</u>	<u>Expenditures</u>	<u>Ending Balance</u>	<u>Revenues</u>	<u>Expenditures</u>	<u>Balance</u>
	Northcross School					18,600.00	18,600.00	-
Subtotal:		-	-	-	-	18,600.00	18,600.00	-

Virginia Tech Foundation Transfers to University:

<u>Fund No.</u>	<u>Sponsor</u>	<u>Current Fiscal Year</u>				<u>Next Fiscal Year's Projections</u>		
		<u>Beginning Balance</u>	<u>Revenues</u>	<u>Expenditures</u>	<u>Ending Balance</u>	<u>Revenues</u>	<u>Expenditures</u>	<u>Balance</u>
	n/a							
Subtotal:								

Financial Activity Report

For Year Ending June 30, 2013

Center Name: Institute for Creativity, Arts, and Technology (ICAT)

Date Prepared: 9/30/2013

Oversight Responsibility: Senior Administrator: Mark McNamee

Overhead Funding Activity:

Fund No.		Current Fiscal Year			Next Fiscal Year's Projections			
		Beginning Balance	Revenues	Expenditures	Ending Balance	Budget	Expenditures	Balance
234140	ICAT Overhead-Equip	200,000.00	-	-	200,000.00	-	200,000.00	-
234256	ICAT Overhead Fund	-	247,305.00	-	247,305.00	8,000.00	158,000.00	97,305.00
								-
								-
								-
								-
	Subtotal:	200,000.00	247,305.00	-	447,305.00	8,000.00	358,000.00	97,305.00

Education & General Funding Activity:

Fund No.		Current Fiscal Year			Next Fiscal Year's Projections			
		Beginning Balance	Revenues	Expenditures	Ending Balance	Budget	Expenditures	Balance
118809		0	436,089.29	394,310.19	41,779.10	658,745.00	658,745.00	-
118933		0	4,376.87	81,542.33	(77,165.46)	-	-	-
118940		0	402,662.43	402,662.30	0.13	633,895.00	633,895.00	-
118958		0	33,389.07	32,572.19	816.88	100,000.00	100,000.00	-
119030		0	(775.27)	788.00	(1,563.27)	-	-	-
	Subtotal:	0	875,742.39	911,875.01	(36,132.62)	1,392,640.00	1,392,640.00	-

Financial Activity Report

For Year Ending June 30, 2013

Center Name: Institute for Creativity, Arts, and Technology (ICAT)

Date Prepared: 9/30/2013

Oversight Responsibility: Senior Administrator: Mark McNamee

Certified By: R. Benjamin Knapp

Signature:

Title:



Director, ICAT