

ACM SIGMOD'10
New Researcher Symposium

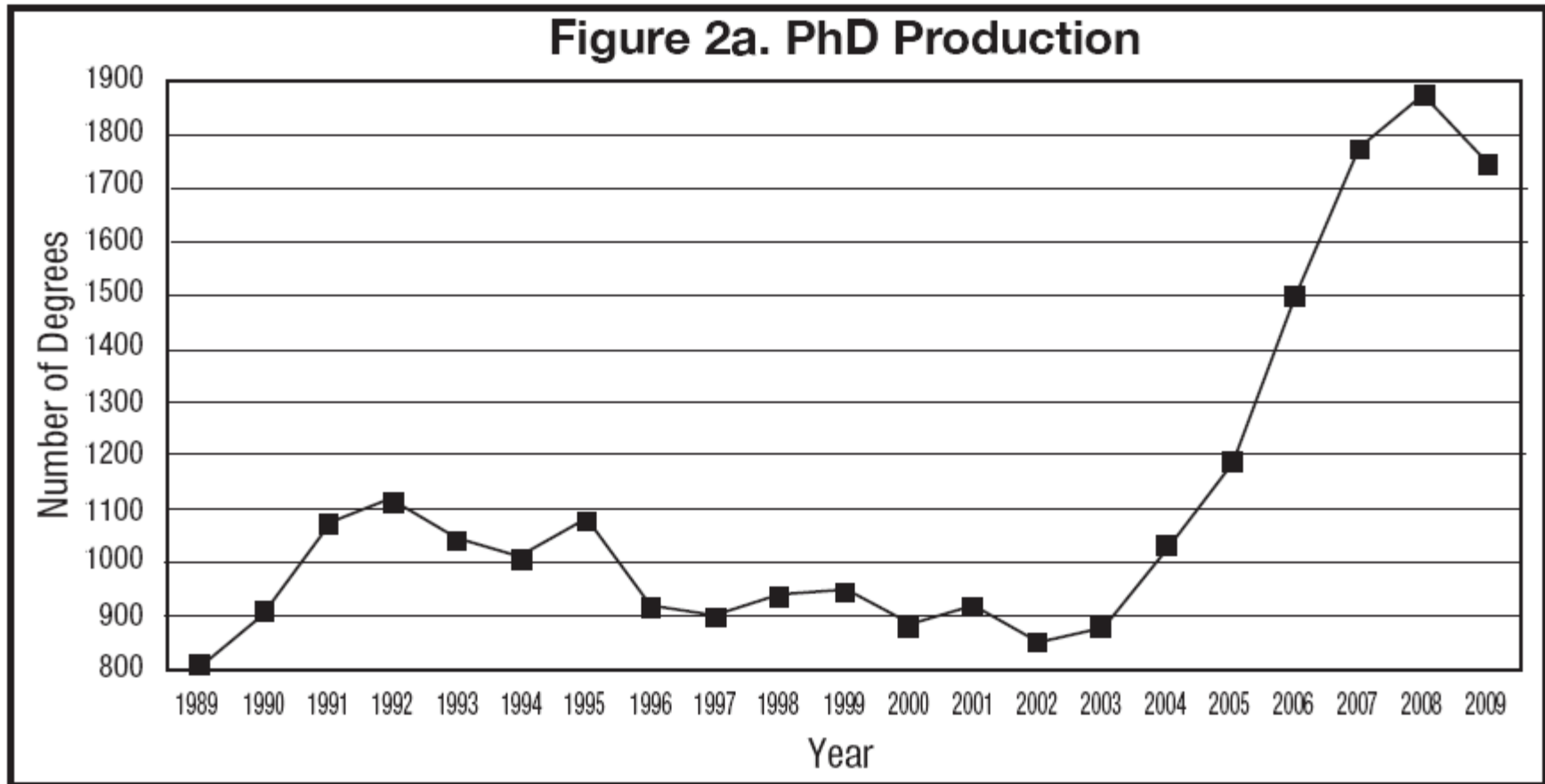
Yanlei Diao, UMass-Amherst

Christoph Koch, Cornell

Welcome!

- Some quick stats
- This year's theme: "Managing medium- and long-term career risks"
- Panels and Discussion

Total Ph.D. Production



Source: CRA Taulbee Survey 2009



Table 4. Employment of New PhD Recipients By Specialty

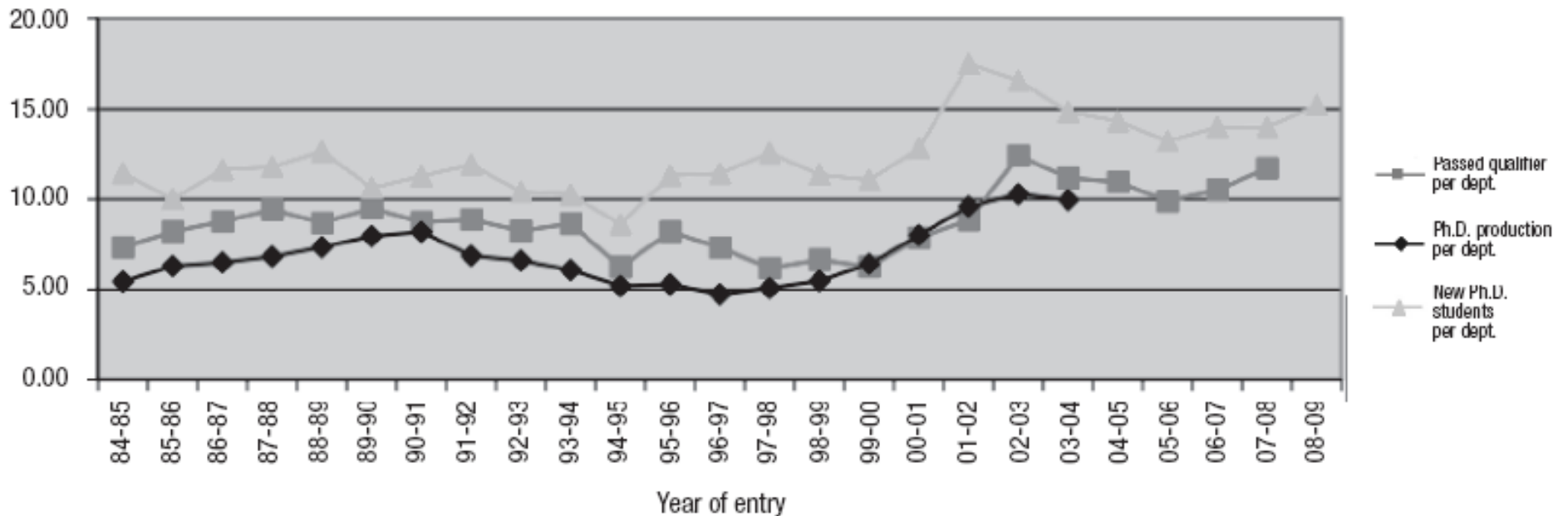
Taulbee 08/09

	Artificial Intelligence	Computer-Supported Cooperative Work	Database / Information Retrieval	Graphics/Visualization	Hardware/Architecture	Human-Computer Interaction	High-Performance Computing	Informatics: Biomedica/Other Science	Information Assurance/Security	Information Science	Information Systems	Networks	Operating Systems	Programming Languages/ Compilers	Robotics/Vision	Scientific/Numerical Computing	Social Computing/Social Informatics	Software Engineering	Theory and Algorithms	Other	Total	
North American PhD Granting Deps.																						
Tenure-track	10	0	7	8	4	12	2	7	7	6	7	6	8	8	8	3	2	13	4	25	147	10.4%
Researcher	5	0	3	3	3	5	3	1	1	2	1	4	5	1	1	3	0	2	2	20	65	4.6%
Postdoc	22	1	7	14	3	14	7	16	7	2	4	13	5	14	18	4	3	8	22	27	211	15.0%
Teaching Faculty	5	0	1	1	4	1	0	1	2	1	0	2	0	1	2	1	0	3	2	7	34	2.4%
North American, Other Academic																						
Other CS/CE/ Dept.	9	0	0	3	2	3	1	4	5	0	0	6	0	1	2	1	0	4	4	2	47	3.3%
Non-CS/CE/ Dept.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
North American, Non-Academic																						
Industry	75	8	64	51	50	15	15	16	22	10	12	76	21	22	25	7	2	65	26	82	664	47.1%
Government	4	0	0	1	2	1	6	3	8	1	0	3	0	2	0	0	2	3	3	15	54	3.8%
Self-Employed	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	1	3	3	12	0.9%
Unemployed	2	0	1	0	0	1	2	0	2	0	1	2	0	1	1	0	0	0	0	3	16	1.1%
Other	4	0	2	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	7	21	1.5%
Total Inside North America																						
	136	9	85	81	69	53	37	49	55	24	26	113	39	51	57	19	10	100	67	191	1,271	90.1%
Outside North America																						
Tenure-Track in PhD Granting	1	0	3	1	0	3	1	0	3	1	0	3	0	0	1	0	0	2	4	6	29	2.1%
Researcher in PhD																						
Postdoc in PhD	2	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	0	1	7	0.5%
Teaching in PhD	3	0	1	2	1	1	0	1	5	0	1	2	1	3	3	0	0	2	5	4	35	2.5%
Other Academic	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	6	0.4%
Industry	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	2	0	8	0.6%
Government	4	0	4	2	3	2	1	1	2	1	0	12	1	1	1	1	0	4	1	6	47	3.3%
Other	0	0	1	0	0	0	0	0	1	0	0	2	0	1	0	0	0	1	0	1	7	0.5%
Total Outside NA																						
	11	0	12	5	4	7	3	2	11	2	2	23	2	6	5	1	0	11	12	21	140	9.9%
Total with Employment Data, Inside North America plus Outside North America																						
	147	9	97	86	73	60	40	51	66	26	28	136	41	57	62	20	10	111	79	212	1,411	147
Employment Type & Location Unknown																						
	18	1	18	10	7	5	2	8	10	2	9	22	3	6	3	3	2	6	15	186	336	
Total																						
	165	10	115	96	80	65	42	59	76	28	37	158	44	63	65	23	12	117	94	398	1,747	

Taulbee 07/08

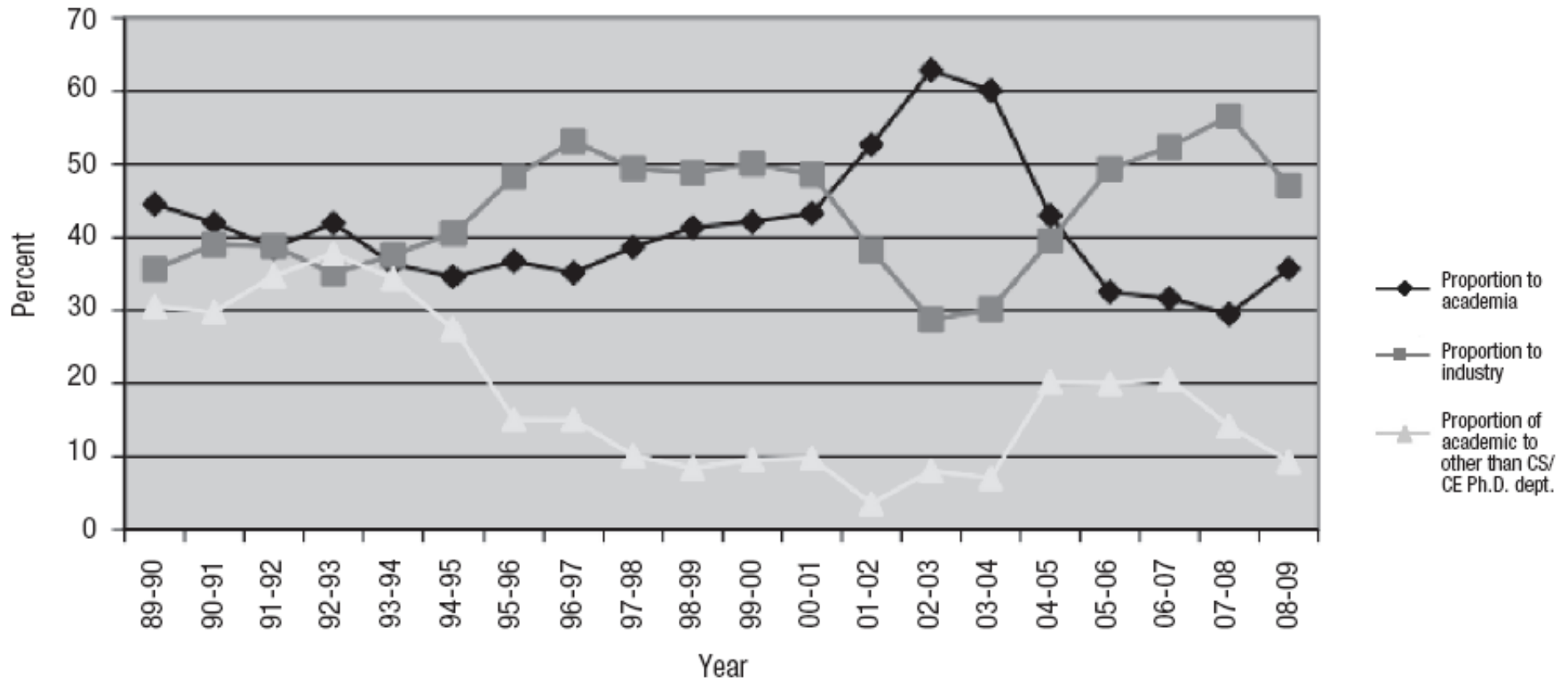
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		Artificial Intelligence	Computer-Supported Cooperative Work	Graphics/Visualization	Hardware/Architecture	Human-Computer Interaction	High-Performance Computing	Informatics: Biomedical/ Other Science	Information Assurance/Security	Information Science	Information Systems	Networks	Operating Systems	Programming Languages/ Compilers	Robotics/Vision	Scientific/Numerical Computing	Social Computing/Social Informatics	Software Engineering	Theory and Algorithms	Other	Total
North American Ph.D. Grants																					
Tenure-track	11	1	5	5	10	2	6	8	1	2	9	7	5	5	2	1	10	11	26	140	9.4%
Researcher	5	0	3	0	2	0	2	2	0	0	3	4	0	2	2	0	2	9	7	45	3.0%
Postdoc	25	1	9	1	7	5	17	5	2	0	6	2	5	7	5	0	5	16	28	148	10.0%
Teaching Faculty	4	0	4	2	1	0	2	1	2	0	3	0	3	3	1	0	5	4	6	42	2.8%
North American, Other Academic																					
Other CS/CE/I Dept.	6	0	9	0	3	4	4	4	2	0	8	0	2	2	0	1	4	6	3	62	4.2%
Non-CS/CE/I Dept.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
North American, Non-Academic																					
Industry	77	5	52	42	24	15	18	29	2	13	72	36	31	30	13	6	104	50	122	839	56.6%
Government	4	0	2	1	0	1	2	4	1	0	3	0	3	4	2	0	4	3	8	44	3.0%
Self-Employed	3	0	1	0	0	0	1	0	0	0	1	2	1	1	0	1	1	1	1	14	0.9%
Unemployed	0	0	0	0	2	0	0	0	0	0	0	0	2	0	1	1	0	2	3	12	0.8%
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Total Inside North America																					
	135	7	85	51	49	27	52	53	10	15	105	51	52	54	26	10	135	102	204	1346	90.8%
Outside North America																					
Tenure-Track in Ph.D. Granting	6	1	0	1	0	1	0	1	0	1	4	1	0	0	0	1	0	3	0	22	1.5%
Researcher in Ph.D.	2	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	6	0.4%
Postdoc in Ph.D.	4	0	6	1	0	0	1	0	0	1	2	1	2	2	1	0	1	5	6	33	2.2%
Teaching in Ph.D.	1	0	0	0	1	0	0	0	0	1	1	1	1	0	1	0	1	0	1	9	0.6%
Other Academic	2	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	3	2	11	0.7%
Industry	4	0	4	4	4	0	0	1	0	2	8	5	3	0	1	0	4	2	2	48	3.2%
Government	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1	1	1	0	8	0.5%
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Total Outside North America																					
	19	1	11	6	6	2	2	3	0	5	18	9	6	2	3	2	7	14	12	137	9.2%
Total with Employment Data																					
	154	8	96	57	55	29	54	56	10	20	123	60	58	56	29	12	142	116	216	1483	100%
Employment Type & Location Unknown																					
	38	1	16	14	10	10	13	6	2	11	28	6	4	7	4	3	17	20	161	394	
Total																					
	192	9	112	71	65	39	67	62	12	31	151	66	62	63	33	15	159	136	377	1877	

CS PhD Production corrected by year of entry



Academia vs. Industry

Employment of new PhDs in US and Canada



Source: CRA Taulbee Survey 2008/9



This Year's Theme: "Managing medium/long-term Career Risks"

- Planning to get the right job, and to keep it.
- Career vs. family planning.
- What are the right expectations for the hiring season? What to do when the preferred career path does not work out?
- How to get help.
- What will Data Management (research) look like in 10/20/30/50 years?
- ...

Program

- **Panel I: Managing Risks at Career Start**
 - Daniel Abadi, Yale University
 - Christopher Olston, Yahoo! Research
 - Rachel Pottinger, University of British Columbia
 - Christopher Re, University of Wisconsin
- 19:10 - 19:20 Break
- **Panel II: Data Management Futurism**
 - Mike Carey, UC Irvine
 - Le Gruenwald, National Science Foundation
 - Laura Haas, IBM Almaden
- 20:10 - 20:30 Open-floor Discussion

Panel I

- **Managing Risks at Career Start**
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Panel II

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