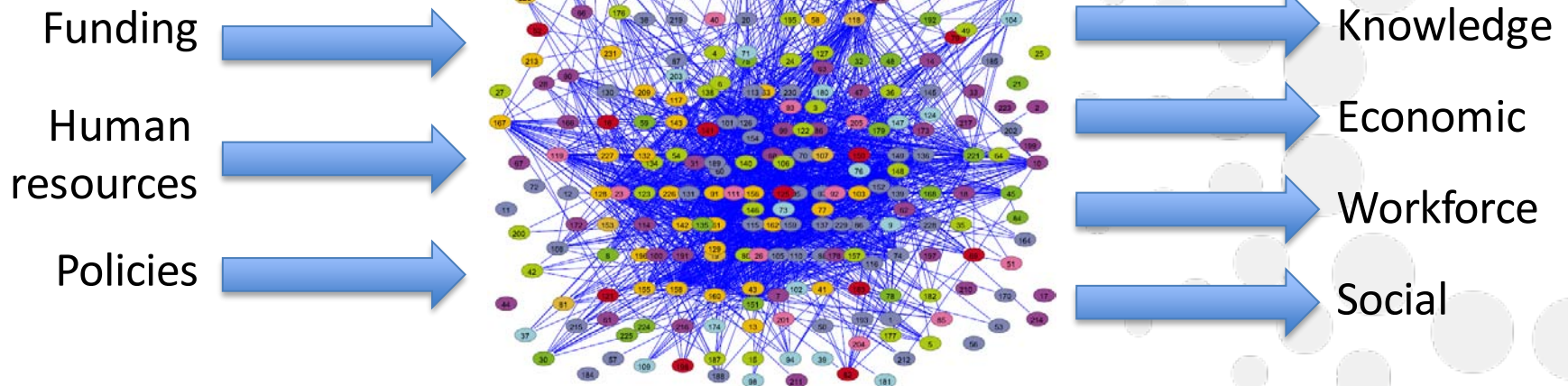


STAR-METRICS

Ian Foster

Tanu Malik

Science is a complex adaptive system ...



... that many need to understand



Policymakers and
funding agencies

What is the relationship
between inputs and outputs?

Social
scientists

How is knowledge created?

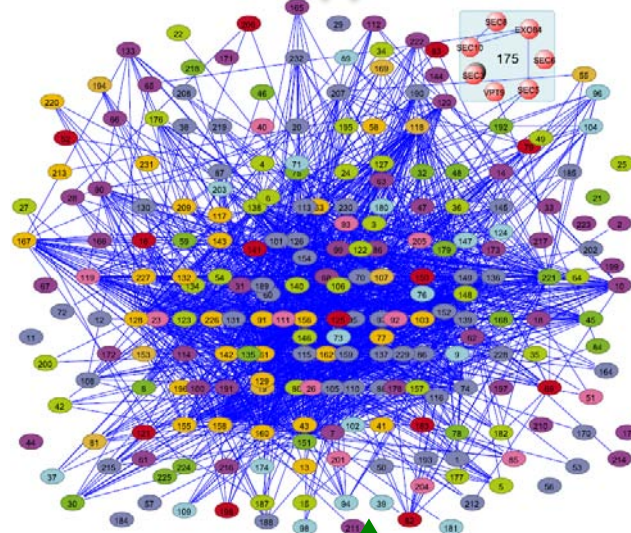
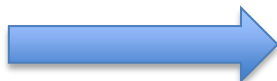
Funding



Human
resources



Policies



Knowledge



Economic



Workforce



Social



What is known? Who knows
it? What is not known?

Investigators

Goal: Enable quantitative analysis



- Capture as much data as possible
 - R
P
P
R
 - Products: papers, patents, websites, databases, ...
 - Participants and other collaborating organizations
 - Impact: disciplinary, cross-disciplinary, human resources, infrastructure, technology transfer, ...
- Make data accessible for query and analysis
 - Query by investigators and policy makers
 - Analysis by researchers and policy makers
- Encourage broad sharing of methods and results
 - Goal: a virtuous circle of increasingly useful results

Automation and incentives are key



- Automated collection and assembly of researcher profiles, with researcher review
 - E.g., Brazilian Lattes Platform
- Social networks to encourage contributions by researchers and institutions
 - E.g., VIVO platform
- Automated generation of high-value derived products to engage research interest
 - E.g., maps of research contributions and impact



Marta Lima de Queiros Mattoso

Bolsista de Produtividade em Pesquisa do CNPq - Nível 1D

possui graduação em Ciência da Computação pela Universidade Federal do Rio de Janeiro (1980), mestrado em Engenharia de Sistemas e Computação pela Universidade Federal do Rio de Janeiro (1987) e doutorado em Engenharia de Sistemas e Computação pela Universidade Federal do Rio de Janeiro (1993). É Professora Associada da Universidade Federal do Rio de Janeiro. Foi diretora de publicações da Sociedade Brasileira de Computação (2005-2007). Tem experiência na área de Ciência da Computação, com ênfase em Banco de Dados, atuando principalmente nos seguintes temas: paralelismo e distribuição em bancos de dados, workflows científicos e gerência de documentos XML.

(Texto informado pelo autor)

Última atualização do currículo em 22/08/20

Endereço para acessar este CV:

<http://lattes.cnpq.br/1420784392366957>



**Certificado
pelo autor em
22/08/10**


[Rede de Colaboração](#)


[Diretório de grupos de pesquisa](#)


[Univ Federal do Rio de Janeiro](#)

Dados pessoais

Nome Marta Lima de Queiros Mattoso

Nome em citações bibliográficas MATTOSO, M. L. Q.;Mattoso, Marta

Sexo Feminino

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Centro de Tecnologia, Bloco H, sala 319
Ilha do Fundão
21941-972 - Rio de Janeiro, RJ - Brasil - Caixa-Postal: 68511

Brazilian Lattes Platform: List of contents



- Dados Gerais
 - Informações Pessoais
 - Formação acadêmica/Titulação
 - Idiomas
 - Atuação profissional
 - Membro de Corpo Editorial
 - Revisor de periódico
 - Prêmios e títulos
- Linhas de pesquisa
- Projetos
- Áreas
- Produção em C,T & A
 - Produção bibliográfica
 - Artigos publicados
 - Livros e capítulos
 - Textos em jornais ou revistas
 - Trabalhos Completos/Resumos Publicados
 - Artigos aceitos para publicação
 - Apresentações de trabalho
 - Demais tipos de produção bibliográfica
 - Produção técnica
 - Software com registro de patente
 - Software sem registro de patente
 - Produtos tecnológicos
 - Processos e técnicas
 - Trabalhos técnicos
 - Produção artística/cultural
 - Demais trabalhos
- Bancas
 - Participação em bancas examinadoras
 - Participação em bancas de comissões julgadoras
- Eventos
 - Participação em eventos
 - Organização de eventos
- Orientações
 - Orientações em Andamento
 - Orientações concluídas
- Citações

Questions for you



- What information would you be able to provide in a standard format?
 - E.g., project reports
- What information would be useful to you in a prepopulated form?
 - E.g., publications, patents, citations

Thank you!

foster@anl.gov

foster@uchicago.edu



Professional metric search

I am interested in:

Biographic Sketch



Name of the Professional:

Ian Foster

Institution:

University of Chicago



GO



Ian T. Foster

Ian Foster is Director of the Computation Institute, a joint institute of the University of Chicago and Argonne National Laboratory. He is also an Argonne Senior Scientist and Distinguished Fellow, Chan Soon-Shiong Scholar and the Arthur Holly Compton Distinguished Service Professor of Computer Science.

Ian received a BSc (Hons I) degree from the University of Canterbury, New Zealand, and a PhD from Imperial College, United Kingdom, both in computer science. His research deals with distributed, parallel, and data-intensive computing technologies, and innovative applications of those technologies to scientific problems in such domains as climate change and biomedicine. Methods and software developed under his leadership underpin many large national and international cyberinfrastructures.

Dr. Foster is a fellow of the American Association for the Advancement of Science, the Association for Computing Machinery, and the British Computer Society. His awards include the Global Information Infrastructure (GII) Next Generation award, the British Computer Society's Lovelace Medal, R&D Magazine's Innovator of the Year, and an honorary doctorate from the University of Canterbury, New Zealand. He was a co-founder of Univa UD, Inc., a company established to deliver grid and cloud computing solutions.

Professional metric search

I am interested in:

Web Profile



Name of the Professional:

Ian Foster

Institution:

University of Chicago



GO



Name: Ian T. Foster



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User

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Blog: <http://ianfoster.typepad.com/>

Facebook: <http://www.facebook.com/iantfoster?ref=sgm>

Twitter: <http://twitter.com/ianfoster>

Continued....

- Classification of papers:
- Types
 - Areas

Publications

Research	Visionary	Reports
HPC		
Grid		
Knowledge		

- Obtain text of paper
- Obtain Scribes by Students about the Paper
- See presentation from Conference

Ian T. Foster, [Savas Parastatidis](#), [Paul Watson](#), [Mark McKeown](#): How do I model state?: Let me count the ways. [Commun. ACM 51](#)(9): 34-41 (2008)



Projects

Globus

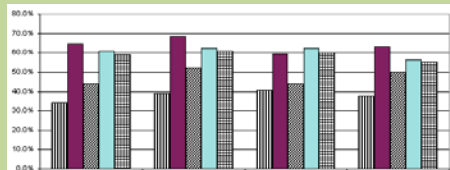
GriPhyN

GRIDS

GADU

Project Publications

Project Funding By Year



Project Funding By Personnel



Overall Project Impact: 4/5.0

Scientific Impact: 4.5/5.0

Application Impact: 4.2/5.0

Research Impact: 4.7/5.0

Societal Impact: 4.9/5.0

Professional metric search

I am interested in:

Research Networks



of

Name of the Professional:

Ian Foster

Institution:

University of Chicago

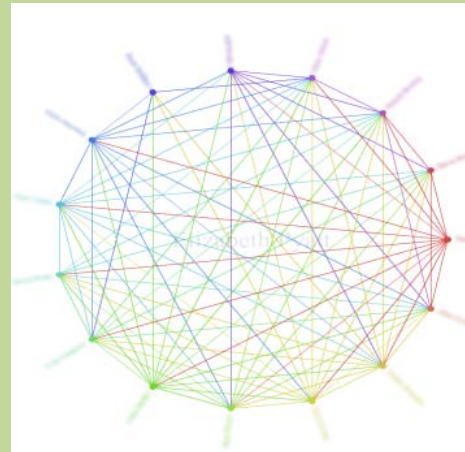


GO

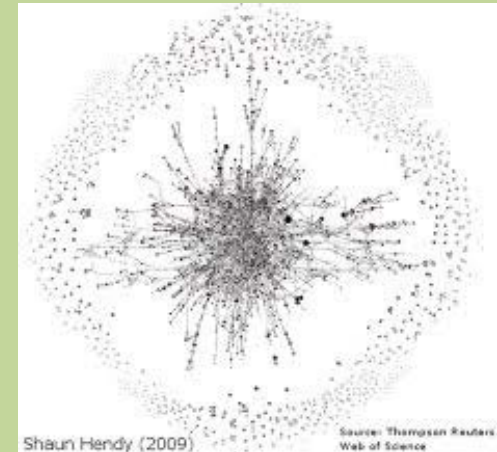




Collaboration Network



coPI Network



coAuthor Network