

Applied Category Theory Directory

The purpose of this document is to help people find meaningful interactions in the ACT community.

This document was assembled by the ACT Development Working Group. [See here](#) for more of our thinking around how the applied category theory community can organize its knowledge and activities. For more information, or to join, contact [Joshua Meyers](#) or [Christian Williams](#).

How to use this document

- List organized, specific, actionable information about yourself and how you want to interact with the community.
- You can structure your entry however you want. The categories seeking/offering, for example, are just suggestions.
- Keep the directory alphabetical by last name. Use bookmarks to identify yourself and link activities with people.
- If you have a good idea for how to improve this directory, just do it.
- ...

Peter Arndt

University of Düsseldorf, Germany

peter.arndt@hhu.de, Zulip

Things I have worked on / work on

- Currently: teaching, mostly!
- Motivic homotopy theory, abstract homotopy theory
- Geometry over the field with one element
- Non-classical propositional logic, e.g. algebraizable logics and their generalizations (right now: multialgebraic/hyperalgebraic semantics, semantics in models of a Horn theory)
- Categorical logic, in particular geometric logic and toposes
- Quadratic forms

Things I want to understand currently:

- Categorical Probability and Statistics
- Information Theory, Information Geometry
- Other mathematical and philosophical approaches to Information
- Topological Data Analysis
- Categorical views on AI and Data Science
- (semantics of programming languages)

Meetings: Sure, let's talk!

John Baez

UC Riverside, California, USA

baez@math.ucr.edu, Zulip

Current work

- Advising my graduate students Jade Master and [Christian Williams](#)
- Working with Todd Trimble and [Joe Moeller](#) on “Schur functors and categorified plethysm”
- Working with Kenny Courser and Christina Vasilakopoulou on rewriting “[Structured versus decorated cospans](#)”
- Working with Fabrizio Genovese, Jade Master, Mike Shulman on rewriting “[Categories of nets](#)”
- Working with Evan Patterson, [James Fairbanks](#), [Owen Lynch](#) and Christian Williams on new applied category theory projects
- Visiting the Topos Institute (July 2021)

Georgios Bakirtzis

UT Austin, Texas, US

bakirtzis.net, Zulip, [twitter](#)

Stuff I've done

- Compositional methods in cyber-physical system design and analysis
- Systems theory/engineering principles in the abstract that can be made categorically precise
- Safety and security assessment methods that can also be made categorically precise

Stuff I want to do/need help with

- Any collaboration involving ACT to engineering
- Mechanization of ACT for new systems modeling languages (particularly for control synthesis, safety, and security)
- Double categories for system design
- Funding strategies for ACT in engineering
- (academic jobs starting in 2022 in engineering that appreciate ACT-email me)

Current collaborations

- Compositional cyber-physical systems theory with Jacques Carrette, David Jaz Myers, Christina Vasilakopoulou, Fabrizio Genovese and others
- Multi-agent systems and particularly compositional reinforcement learning for interpretability and safety with Ufuk Topcu (UT Austin) and Cody Fleming (Iowa State)
- System science at large with Spencer Breiner, Eswaran Subrahmanian

Meetings

- I will meet anyone on zoom for any reason for 15 minutes (email me)

Projects

- [Talon](#)

Nicolas Blanco

PhD student (with Noam Zeilberger and Paul Levy)

Working on:

- Models of (linear) logic and programming languages using CT and beyond
- Monoidal categories, $*$ -autonomous categories, LNL-adjunctions...
- Multicategories, polycategories, LNL-multicategories...
- Fibred versions of the above and related Grothendieck constructions
- Finite dimensional Banach spaces and contractive/non-expansive maps as a running example

Interested in:

- Mathematical structures coming from the quantum world (e.g. the relation between quantum causal structures and linear logic)
- Environmental challenges, inclusivity... (how can I help as a category theorist, a scientific and a person)
- Applications of CT and logic to other fields (philosophy, linguistics, cognitive science, biology...)

Other relevant info:

- In a previous life I was a *formal methods software engineer* and a *safety engineer* at [Clearsy](#)
- I graduated from the master in Mathematical Logic and Foundations of Computer Science [LMFI](#) at Paris Diderot University

Offering:

- Conversations, in English or French, about the topics above or any other subject (beware I can become quite chatty)
- A good beer, if you are in the Paris area or you plan on visiting (I am a sour and a stout lover myself but I could accommodate other tastes) (beware I am even more chatty after a couple of beers)
- Help/tutoring (in French or in English) in CT, logic, theoretical computer science, algebra...
- More generally if you feel my insight could be relevant to you then feel free to contact me

Seeking:

- New people to chat with
- Learning new topics
- Collaborations (especially in the areas mentioned above)
- (Hopefully) I will graduate early 2022 so I will soon be looking for a postdoc/job

Meetings:

- Feel free to drop me an email or a Zulip/LinkedIn/Twitter message anytime
- I will meet anyone on Zoom (or any video service) for any reason for 15 minutes (or more)

Guillaume Boisseau

PhD student (with Jeremy Gibbons and Paweł Sobociński)

University of Oxford

[Twitter](#), Zulip

Topics:

- Various extensions to Graphical Linear Algebra
- Using GLA to do actual electrical circuit computations
- Worked on lenses and optics in the past
- Excited about PROP-based axiomatic theories in general

Kris Brown

PhD student (in applied computational science)

Berkeley, California, US

ksb@stanford.edu, or Zulip

<https://web.stanford.edu/~ksb/> (need to update)

Interests

- Automated theorem proving and proof assistants
- Mathematical knowledge representation
- Pragmatism and analytic philosophy

Seeking

- Collaboration, tutorials, conversation, full-time work

Projects

- Catlab development
 - DPO rewriting of C-Sets and structured cospans
 - Finite limit sketches
 - Automorphisms of C-Sets
 - Graphical regular algebra + theorem proving

Meetings

- Almost always available to chat.

Joe Brucker

NLP Research | Lexical Grounding Team at Harvard

job6134@g.harvard.edu | [Twitter](#)

<https://scholar.harvard.edu/brucker>

- **Background**

- Market Making and Prop Algorithmic Trading in Currencies/Derivatives/Structured Products & U.S./Indian Equities/Derivatives
- Macro-economic sell-side research (Emerging Markets)
- Data Science
- Semantic Web, NLP

- **Interests**

- Semantics for Meaning, Logic, Ontology, Coreference, SRL, Entailment
- [NLP](#) + Category Theory Systems to extract and transfer Meaning from Semantics
- [Accessibility](#) for non-researchers

- **Seeking**
 - Research collaborators at the intersection of Category Theory and NLP
 - Community at the intersection of Category Theory and NLP
 - Doctoral programs
 - Part-time or full-time research positions

Cole Comfort

PhD student
University of Oxford

<http://www.cs.ox.ac.uk/people/cole.comfort/>

Interested in:

- Categorical semantics for circuits
- Categorical quantum mechanics
- Completeness theorems for monoidal categories
- Restriction categories

Alejandro Díaz-Caro

Inria / LORIA (France) & Universidad Nacional de Quilmes (Argentina)

<https://members.loria.fr/ADiazCaro/>

alejandro@diaz-caro.info

Working on:

- Quantum computing
- Type theory
- Categorical semantics
- Logic and proof theory

James Fairbanks

University of Florida, CISE Dept.

<https://www.cise.ufl.edu/fairbanks-james/>

Interested in:

- ACT software and algorithms
- Modeling and simulation, scientific computing,
- Programming Languages
- Applied combinatorics, graph algorithms,
- Data Science

Seeking:

Graduate Students, Post-doctoral fellows, Research Scientists, Software Developers (Julia)

Brendan Fong

Topos Institute, USA

<http://brendanfong.com>

brendan@topos.institute

Tobias Fritz

University of Innsbruck, Austria

<http://tobiasfritz.science/>

tobias.fritz@uibk.ac.at

Current main projects

- Categorical probability
More concretely: developing probability theory and statistics in terms of Markov categories
- Ordered algebraic structures and their applications
- Fundamental physics, mathematical structures in quantum field theory and relativity

Meetings

- I will meet anyone on jitsi or zoom for any reason for 15 minutes.
- Email me to schedule an appointment.
- Emails with questions or discussion are welcome too at any time.

Jake Gillberg

Health informatics software developer

jake.gillberg@protonmail.com, Zulip

Interested in:

- Concurrent computation / distributed systems
- Software verification

Seeking:

- Bigraph study group
- Projects combining software verification and concurrent computation

Jules Hedges

MSP group, University of Strathclyde, Glasgow

julesh.com

jules.hedges@strath.ac.uk / Zulip

Interested in: applying category theory to economics (especially microeconomics), control theory, general systems theory, machine learning, numerical analysis etc etc. (broadly “cybernetics”, hence CyberCat).

Side interests: formal theory & computer implementation of diagrams, proof theory, functional programming, natural language semantics

ACT community development (especially on the “applied” side)

Current projects:

Stress-testing the [open game engine](#) with various applied modelling projects, & coordinating its development

Understanding how lenses + related objects are a unifying categorical structure in many applied fields

Reinforcement learning & dynamic programming via open games

Organising the 2-categorical foundations of open games

For fun: trying to understand the algebras of the finite support probability monad

Seeking

Climate economist - to see if open games can do anything to make the world not worse

In general I’m happy to talk to anyone about anything (bonus points if it’s one of my interests), but I already have twice as many collaborators and projects as I have time to commit to...

Tom Hirschowitz

CNRS and Savoie Mont Blanc University, Chambéry, France

<https://www.lama.univ-savoie.fr/pagesmembres/hirschowitz/>

tom.hirschowitz@univ-smb.fr

Current main project: Categorical programming language theory

More concretely: turning methods from programming language semantics into general theorems.

Main research directions:

- Initial semantics: expressive notions of signatures for specifying programming languages.
- Congruence of behavioural equivalences.
- Type safety.
- Compiler correctness (not even started!).

My previous academic investigations appear to have been eaten up by categorical programming language theory.

Meetings

Please don’t hesitate to contact me by Email or Zulip.

Tomáš Jakl

University of Cambridge

<https://tomas.jakl.one>

tj330@cam.ac.uk

See my website for details.

Anna Knörr

ETH Zurich / Perimeter Institute

an.kn@protonmail.ch

[content coming soon :P]

Jonathan Lorand

www.lorand.earth/math

email: jonathanlorand@pm.me

Background: PhD in mathematics

Currently: (as of mid 2022)

- postdoc at ETH Zurich, working on applied category theory for engineering
- mostly teaching and co-writing a textbook: <https://applied-compositional-thinking.engineering/>
- part-time doing a master’s in [transdisciplinary studies](#) at the Zurich University of the Arts

Owen Lynch

Universiteit Utrecht

the_man_himself@owenlynch.org (or literally any @owenlynch.org email address...), Zulip

Interested in:

- Open Systems
- Categorical Probability/Statistics
- Statistical Mechanics
- Highly Restricted Models for Computation
- Scientific Computing
- Human Interface Design for Math

Current Projects:

- Catlab.jl
- Acsets (Attributed C-sets)
- WireViz.jl (coming soon)

Talk to Me About:

- Approximations in Category Theory
- Any type of gluing
- Violations of the second law of thermodynamics in open systems

Feel Free to Join:

I run a very casual, very slow reading group on Robert Ghrist’s Elementary Applied Topology at 1pm ET on Sundays. You can join via this Discord link: <https://discord.gg/vDDFtYB6>.

Tom Mainiero

Former Postdoc at New High Energy Theory Center, Rutgers

tommainiero.com

mainiero@physics.utexas.edu

Interested in:

- Categorical probability
- Quantum/classical information theory and computing
- Categorical aspects of operator algebras
- Applications of quantum field/string theoretic perspectives to other fields

Current Projects:

- Categorification of mutual information + homotopical methods in information theory
- Understanding functorial relations between matrix product states, completely positive maps, operator algebras, and TFTs

Want to learn more about:

- homotopy type theory, the many functorial perspectives to physics, computer science, dynamical systems, ...

Seeking

- Collaborators, any job that I can continue using my passion for category theory in a productive manner!

Joshua Meyers

The following is out of date, see meygerjos.com for up-to-date information.

Indiana University Bloomington

Bloomington, IN, US and New York City, NY, US

meygerjos@gmail.com, Zulip

Offering

- Precisification service (you can explain something technical to me and I'll help you make it precise and uncover the underlying mathematical structures at play)
- Math coaching (I will advise on best practices for self-studying math at the [pre-rigorous](#) and [rigorous](#) stages)
- Teaching category theory at the level of Riehl's "Category theory in context"
- Mediation of difficult conversations (Experience: two climate activism groups deciding whether or not to merge; discussion of military funding in ACT)
- Applied Category Theory Research
- Translation between technical and nontechnical writing ([example](#))

Seeking

- Collaboration towards building alternative academia
- Math coaching (best practices for self-studying math at the [post-rigorous](#) stage)
- Grad student grant in ACT
- Part-time employment doing ACT research
- Someone who can tell me about the Web3.0/TE/Ethereum world

Current work

- [ACT Directory](#) with [Christian Williams](#), Spencer Breiner, [Morgan Rogers](#), and others
- [Algebraic Property Graphs](#) at [Conexus](#) with [Ryan Wisnesky](#) and Joshua Shinavier
- Trying to build a movement that does academia better, with the following key differences from standard academia (right now just in the visioning/networking/learning/planning stage) -- please get in touch if you are interested in this!
 - Emphasis on creating (physical, social, financial, etc.) environments that promote focus
 - Emphasis on the practice of studying: e.g. how to read a book, how to solve a problem, how to write a proof, how to reverse-engineer a definition
 - OCAAT (one class at a time)
 - Storing/stewarding knowledge in social practices rather than primarily in written material
 - Prioritize subject-matter relevant to the meta-crisis
 - Fluid roles --- I might be your teacher in one subject and your student in another subject, I might be a researcher one month and an administrator another month

Meetings

- I will meet anyone on zoom for any reason for [30 minutes](#).
- If you want to meet for an hour or more, email me to schedule an appointment.

Joe Moeller

National Institute of Standards and Technology

Gaithersburg, Maryland, US

moeller@math.ucr.edu, Zulip

Projects

- Categorifying combinatorics and rep theory with John Baez and Todd Trimble
- Thermodynamics in networks
- Implementing categorical structures in Julia

Chad Nester

Tallinn University of Technology, Estonia

[Website](#), first.last at gmail, Zulip

Hello There:

I'm interested in a reasonably broad selection of things. There seems to be no unifying theme.

I'm open to conversation, and am actively seeking excuses for longer research visits.

If you'd like to talk about ideas I'm happy to listen, but can't guarantee sustained interest.

Recently I am excited about "biosemiotics". I want to model that sort of thing, or try.

Valeria de Paiva

Topos Institute, CA

<http://vcvpaiva.github.io/>

<https://logic-forall.blogspot.com/>

valeria.depaiva@gmail.com

Current main projects:

- Dialectica categories and applications (Petri nets ACT School 2020, Set Theory, <https://github.com/vcvpaiva/DialecticaCategories>)
- Constructive/Linear modal logics
- Automated reasoning in logic/AI (Networked Maths included)
- Natural Language Inference (symbolic and ML) Hy-NLI and SICK projects (<https://github.com/kkalouli/GKR4NLI>)
- Lexical Resources for languages (e.g. OWN-PT project <http://openwordnet-pt.org>)
- Women in Logic/STEM (<https://womenninlogic.blogspot.com/>)

My previous academic investigations never seem to go away, I am always accumulating new ones.

But working with others is fun, do get in touch, if you want to discuss stuff!

I'm trying to organize papers written about the projects above, but this is not going as well as I hoped.

Meetings

Please don't hesitate to contact me by email (or Zulip/twitter/fb).

Evan Patterson

Topos Institute

Berkeley, CA

Website: <https://www.epatters.org>

Contact: evan@epatters.org, Category Theory Zulip, Julia Zulip

Robin Piedeleu

University College London, UK

<https://piedeleu.com/>

r.piedeleu@ucl.ac.uk

Background

Mostly in theoretical computer science, with a broader focus on the study of dynamical systems arising in various scientific contexts (automata, Petri nets, circuits of various sorts, signal flow graphs). I primarily use algebraic and categorical tools, with an emphasis on monoidal categories and diagrammatic reasoning.

Interests and current projects

- Completeness/axiomatisation/presentation of monoidal categories modeling systems of any kind.
- Semantics of circuits (in particular, asynchronous sequential circuits at the moment)
- Diagrammatic reasoning
- Compositional approaches to security/cryptography
- Compositional energy-cost model for computation.

More generally, I'm interested in applying the tools I have gathered and those of the ACT community to make the complex systems we rely on (computers, networks, supply chains, etc.) more *sustainable* and reliable.

Meetings

Feel free to send me an email (or message me on Zulip) to discuss shared interests or for any other reason. I am also happy to meet on jitsi or zoom.

Blake Pollard

CrossnoKaye Inc.

Santa Barbara, CA

blake561@gmail.com

Interested in rubber-meets-road (darn cars!) projects with some ACT sprinkled in.

Background

Decorated cospan approach for open Markov processes and chemical reaction networks. Entropy production in open systems. Graphs with dangly ends and gluing them up. Database schemas as finitely presented categories and transformations among them, especially applied to domain-specific model management.

Interests

Current startup builds control systems for industrial cold storage facilities. Looking to develop (or apply existing) ACT-native or ACT-inspired tools for generating and testing extended finite state machines for controlling real-world hardware. Also developing a domain-specific-language or ontology for industrial refrigeration and other energy-intensive industrial processes. Possible paid internships for phd students or consulting positions for graduated folk out in the wild.

Tim Porter

ex-Professor in the Maths Department of the University of Bangor, North Wales, UK. (Officially Emeritus Professor.)

Contact at

t.porter.maths@gmail.com, or via LinkedIn and here at Zulip.

Interests:

A fuller introduction to my interests and past work can be found at

<https://ncatlab.org/timporter/show/HomePage>

- That also contains links to some notes (The Menagerie) although the version there is slightly old.

I have (recently) worked on or am currently working on

- Categorical and simplicial methods in Homotopy Theory.
- Strict infinity categories and their homotopy theory.
- Topological and Homotopy Quantum Field Theories
- Applications of category theory (I have worked with directed homotopy and its applications to concurrency; I used to teach Operational Research and used Petri nets as a project option, including links with categorical logic, so have some thoughts on the categorical side of these topics)
- Multi-agent systems and modal logic.

Egil Rischel

Graduate student in the Mathematically Structured Programming group in the Computer and Information Sciences department at the University of Strathclyde.

Mail: ayegill@gmail.com

Website: <https://erischel.com>

Twitter: <https://twitter.com/ayegill>

Working on:

- Categorical cybernetics
- Categorical probability and statistics
- Quantitative logic

Other interests

- Higher category theory/homotopy theory
- Computational category theory (i.e running CT on a computer)
- Categorical logic
- The connection between complexity theory and probability

Meetings

- I will meet anyone for any reason for 15 minutes on Zoom/Jitsi/other platform of your choice. Email to set this up.
- I can also be reached on Twitter or on the CT Zulip

Morgan Rogers

Università degli Studi dell'Insubria

mrogers@uninsubria.it

Working on:

- Topological Semi-Galois Theory
- Topos theory
- Monoid and semigroup actions

Side interests:

- Ethics of AI

Meeting:

Message me on Zulip any time if you want to ask me anything or organise an online meeting!

Sayantan Roy

PhD student

Indraprastha Institute of Information Technology, Delhi, India

sayantanr@iitd.ac.in

Interested in (academic):

- Universal logic
- Abstract algebraic logic (currently trying to learn, see below)
- Set Theory
- Category theory (self-studying, currently stopped, planning to resume from August)
- Type theory
- Philosophy of logic

Interested in (non-academic):

- Translating pieces about Grothendieck from French to English.

Meeting:

Feel free to reach out to me anytime.

Mailing is probably the best option. Else I am a frequent lurker of the [category zulip](#) as well as [mathematical logic zulip](#) (for the latter if you want to join, email me for an invite link).

Reading Group:

I would like to be part of some reading group (preferably from August) which is planning to study the following books (in decreasing order of importance, although the first two are commutable), from scratch (i.e., assuming no previous background):

Abstract Algebraic Logic: An Introductory Textbook by Josep Maria Font

Topoi: The Categorical Analysis of Logic by Robert Goldblatt

Type Theory and Formal Proof: An Introduction by Herman Geuvers and Rob Nederpelt

Ralph Sarkis

ENS de Lyon, Lyon, France

Zulip

Potential Reading Groups:

I really love to study in reading groups and there are so many books and papers that I would like to read on the side. If you are interested in reading one of the following texts (no particular order), let me know.

- *Theories, Sites, Topos*. Olivia Caramello.
- *Topology: A Categorical Approach*. Tai-Danae Bradley, Tyler Bryson, and John Terilla
- *Monoidal Topology: A Categorical Approach to Order, Metric and Topology*. Dirk Hofmann, Gavin J. Seal, and Walter Tholen.
- *Coend Calculus*. Fosco Loregian.
- *Higher-Dimensional Categories: an illustrated guidebook*. Eugenia Cheng and Aaron Lauda.
- *Theoretical Computer Science for the Working Category Theorist*. Noson S. Yanofsky.
- *Algebraic Theories: A Categorical Introduction to General Algebra*. J. Adámek, J. Rosický, E. M. Vitale.
- *Toposes, Triples and Theories*. Michael Barr and Charles Wells.
- *String Diagram Rewrite Theory I: Rewriting with Frobenius Structure*. Filippo Bonchi, Fabio Gadducci, Aleks Kissinger, Paweł Sobociński, Fabio Zanasi.
- String Diagram Rewrite Theory II and III (when they are out).
- *An Introduction to Effectus Theory*. Kenta Cho, Bart Jacobs, Bas Westerbaan, Abraham Westerbaan.
- *Categorical Logic and Type Theory*. Bart Jacobs.
- *Introduction to Coalgebra*. Bart Jacobs.
- *Temporal Type Theory: A topos-theoretic approach to systems and behavior*. Patrick Schultz, David I. Spivak.
- *2-Dimensional Categories*. Niles Johnson and David Yau.

David Spivak

Topos Institute

david@topos.institute

<http://www.dspivak.net/>

Interests

- Applications of category theory to making things work better / make more sense
- Information, communication, interoperability
- Interacting databases
- Interacting dynamical systems
- What is it for one machine to appropriate (eat, or hire, or own/use) other machines?
- Relationship between brain and mind
- Graphical reasoning
- Teaching kids from categorical perspective (“conceptual math for kids”)
- Natural ethics (let’s not make up the rules, let’s find them)
- Compositional economics

Seeking

- Math/philosophy conversation partners in person, e.g. at workshops/conferences

Meetings

- Reach out any time.

Michael Stay

Pyrofex Corporation

stay@pyrofex.net

<https://pyrofex.io>, Zulip, Twitter (@metaweta)

<https://reperiendi.wordpress.com>

Interests tangent to CT

- type theory
- functional programming
- quantum computation
- machine learning
- cryptography
- cryptocurrency
- object capability security
- algorithmic information theory
- philosophy

Working on

- cryptocurrency platform
- native type theory
- generalizing cuts from beta to more general rewrites

Meetings

- Feel free to contact me

William Waites

Research Fellow, Centre for Mathematical Modelling of Infectious Diseases, London School of Hygiene and Tropical Medicine

wwaites@ieee.org, Zulip, Granton Harbour

<https://www.tardis.ed.ac.uk/~wwaites/> (terribly out of date)

Working on

- Models of biological and social systems
- Multi-scale, heterogeneous models
- Rule-based graph rewriting
- Petri nets

Meetings

- Any time

Christian Williams

UC Riverside, California, US

cwill041@ucr.edu, Zulip, Twitter

<https://cbw124.github.io> (need to update)

Interests

- Categorical Logic and Type Theory
- Algebraic Theories, Monads and Modules
- Operational Semantics and Coalgebra
- Bicategories and Equipments
- software

Seeking

Collaboration

- Applied category theory of any kind.
- Develop category theory curricula and resources.
- Develop frameworks in which to design rational social systems.

Tutorials

- High-productivity workflow, to help lead ACT.
- Haskell, Agda: from experienced, can offer compensation.
- Blockchain and distributed computing.

Conversation

- Life. I want to know this community.
- Promising applications of category theory.
- How to face the ecological crisis.
- Hegel's Science of Logic.

Offering

Teaching

- Basics of category theory. Can talk on zulip, possibly call.
- Writing: clear, concise, sincere.
- Organization, life balance.

Brainstorming - In general.

Hospitality - Feel free to visit sunny California.

Projects

[Native Type Theory](#) with [Mike Stay](#)

ACT Infrastructure with [Joshua Meyers](#)

Bialgebra with Stelios Tsampas

Formal CT with Nathanael Arkor

Meetings

Feel free to reach out any time.

I plan to host regular hangouts, open to all. (using [gather.town](#))

Interested in study groups as well.

Ryan Wisnesky

<http://wisnesky.net>

Interests: computational category theory, data integration, data migration, type theory, logic, business

Seeking: Collaboration, esp. Re: industry

Offering: bespoke software development and consulting