

- Address** Department of Mathematics, University of Pennsylvania  
David Rittenhouse Lab., 209 South 33rd Street Philadelphia, PA 19104-6395
- Employment** **University of Pennsylvania**, Department of Mathematics,  
Associate Professor, July 2011 - present.  
Calabi Assistant Professor Chair, July 2010 - June 2011.  
Assistant Professor, July 2008 - June 2011. (On leave 2008-2009.)  
**Princeton University**, Department of Mathematics,  
Assistant Professor, July 2008 - June 2009.  
**Harvard University**, Department of Mathematics,  
Benjamin Peirce Assistant Professor, July 2005 - June 2008.  
**National Science Foundation** Postdoctoral Fellow, June 2006 - August 2008.
- Education** Ph.D., Brown University, Division of Applied Mathematics, May 2005.  
Sc.M., Brown University, Division of Applied Mathematics, May 2002.  
B.A. (*summa cum laude*), New York University, May 2000.
- Research Interests** Partial differential equations, Fluid dynamics (incompressible Navier-Stokes equations, relativistic Euler system), Gas dynamics (Boltzmann and Landau equations under Newtonian mechanics and special-relativity with non cut-off and cut-off collision kernels), Free boundary problems, Mathematical Physics, Harmonic Analysis, and some Numerical simulations.
- Selected Academic Awards**
- Alfred P. Sloan Foundation Research Fellowship, 2011 - 2013.
  - Good Teaching Award (University of Pennsylvania, Math) 2011.
  - US Junior Oberwolfach Fellow, December 2006, December 2010.
  - Brown University, Division of Applied Mathematics, **Sigma Xi Prize**, May 2005.  
*For excellence in research and high potential for future contributions.*
  - Brown University, Professor R. Bruce Lindsay **Dissertation Fellowship**, 2004 - 2005.
  - New York University, College of Arts & Science **alumni association award**, 2000.
  - New York University, **Sidney Goldwater Roth Prize**, May 2000.
  - New York University, College of Arts & Science **founders day award**, May 2000.
  - New York University, **Morris Klein Award**, May 1999.
- Publications** *Please see my publication list:* <http://www.math.upenn.edu/~strain/bibSTRAIN.pdf>
- Citizenship** U.S.A.