

**Graduate Students – B. Sturtevant  
Graduate Aeronautical Laboratories  
California Institute of Technology**

1. Charles P. Wang - 1967  
Thesis: “Mass Spectrometric Studies of Ionization in Shock Heated Gas Mixtures”
2. Hugo de Oliveira Piva - 1968  
Thesis: “Electron Beam Measurements of Density in Shock Waves Reflecting From a Cold Wall”
3. W. M. Robinson - 1969  
Thesis: “Mass Spectrometric Studies of Ionization Precursors Ahead of Strong Shock Waves”
4. Brian T. Barcelo - 1971  
Thesis: “Electron Beam Measurements of the Shock Wave Structure: Part I - Determination of the Interaction Potential of the Noble Gases from Shock Wave Structure Experiments; Part II - Feasibility of a Modified Electron Beam Densitometer Technique to Measure Diffusive Separation in Shock Waves in Helium-Argon Mixtures”
5. Robert E. Setchell - 1972  
Thesis: “Shock Tube Investigation of Strong Shock Waves in a Convergent Channel”
6. Eric Steinhilper - 1972  
Thesis: “Electron Beam Measurements of the Shock Wave Structure: Part I - The Inference of Intermolecular Potentials from Shock Structure Experiments; Part II - The Influence of Accommodation on Reflecting Shock Waves”
7. Erik Storm - 1973  
Thesis: “Part I - An Investigation of Shock Strengthening in a Conical, Convergent Channel; Part II - Spectroscopic Investigation of Strong Shockwaves in a Conical, Convergent Channel”

8. Vijay Kulkarny - 1975  
Thesis: "An Experimental Investigation of Focusing of Weak Shock Waves in Air"
9. James E. Craig - 1977  
Thesis: "Weak Shocks in Open-Ended Ducts with Complex Geometry"
10. Joseph E. Shepherd - 1981  
Thesis: "Dynamics of Vapor Explosions: Rapid Evaporation and Instability of Butane Droplets Exploding at the Superheat Limit"
11. Christopher J. Catherasoo - 1982  
Thesis: "Shock Dynamics in Non-Uniform Media"
12. J.-F. Haas - 1984  
Thesis: "Interaction of Weak Shock Waves and Discrete Gas Inhomogeneities"
13. David Frost - 1985  
Thesis: "Effects of Ambient Pressure on the Instability of a Liquid Boiling Explosively at the Superheat Limit"
14. Nehemias Lima Lacerda 1986  
Thesis: "On the Start-Up of Supersonic Underexpanded Jets."
15. Kazunori Kawasaki - 1986  
Thesis: "Monte Carlo Calculation of the Flow of Granular Materials"
16. Jane Lin - 1987  
Thesis: "Transient Gas Jets Into Liquid"
17. A. V. Anilkumar - 1989  
Microgravity Research & Applications  
Thesis: "Experimental Studies of High-Speed Dense Dusty Gases"
18. Martin Brouillette - 1989  
Thesis: "On the Interaction of Shock Waves with Contact Surfaces Between Gases of Different Densities"

19. David B. Goldstein - 1990  
Thesis: "Investigations of a Discrete Velocity Gas"
20. Larry Hill - 1990  
Thesis: "An Experimental Study of Evaporation Waves in a Superheated Liquid"
21. Ichiro Sugioka - 1991  
Thesis: "Particle Transport by Rapid Vaporization of Superheated Liquid"
22. Riccardo Bonazza - 1992  
Thesis: "X-Ray Measurements of Shock-Induced Mixing at an Air/Xenon Interface"
23. Balasubramanya T. Nadiga - 1992  
Thesis: "A Study of Multi-Speed Discrete-Velocity Gases"
24. Simon Sanderson - 1995  
Thesis: "Shock Wave Interaction in Hypervelocity Flow"
25. Joseph E. Cates - 1996  
Thesis: "Studies of Shock Wave Focussing Using Geometrical Shock Dynamics"
26. Danny D. Howard - 1996  
Thesis: "Mechanisms of Injurt Associated with Extracorporeal Shock Wave Lithotripsy (Part I) Exsolution of Volatiles (Part II)."
27. Jean-Paul Davis  
Thesis: "High-Enthalpy Shock/Boundary-Layer Interaction on a Double Wedge"
28. Emily Brodsky - 2000  
Thesis: "Studies in Fluid Dynamics as Applied to Seismology and Volcanology"
29. Murtuza Lokhandwalla - 2001  
Thesis: "Damage Mechanisms in Shock Wave Lithotripsy"

30. Sanjay Kumar - 2002

Thesis: "An Experimental Investigation of Richtmyer-Meshkov  
Instability"