

# JOEL B. GRATZ

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- OBJECTIVE** To develop a set of societal metrics used to measure the value of meteorology.
- EDUCATION** **The University of Colorado, Boulder, CO – Anticipated Graduation, May 2006**  
M.S. Candidate in Environmental Studies (*focus on meteorology, business, and policy*)  
M.B.A. Candidate class of 2006 (*focus on entrepreneurship*)  
GPA: 3.71/4.00
- The Pennsylvania State University, University Park, PA – Graduated May 2003**  
B.S. in Meteorology – Schreyer Honors College  
Minor – Global Business Strategies for Earth Industries  
Option – Weather Communications  
GPA: 3.92/4.00
- RESEARCH** **Lessons in Technology Transfer Policy for the Atmospheric Sciences** 2004-2005  
• Funded thesis, anticipated completion by December 2005
- Lightning, Outdoor Stadiums, and Spectator Safety** 2003  
• Examines multiple incidents and suggests alternatives to ensure safety of 50,000+ spectators  
• Published in Weatherwise (Jan/Feb 2005)
- Should Improving Forecast Accuracy be the Primary Objective of Meteorological Research?** 2003  
• Undergraduate honors thesis promoting 1) shared research focus on prediction AND societal application; and 2) emphasis on specific goal setting rather than improvement’ or ‘do-better’ goals
- PROFESSIONAL EXPERIENCE**
- MODELING ANALYST – International Catastrophe Insurance Mangers, LLC Summer 2005 - current  
\* Completed monthly analysis and special projects with catastrophe (earthquake and hurricane) models
  - ASSOCIATE – Office of Technology Transfer, University of Colorado Summer 2004  
\* Created partnerships between earth science researchers and OTT  
\* Managed patent/licensing cases from University Intellectual Property
  - SPEAKER – Operation Sierra Storm January 2004  
\* Presented lightning safety research to 15 journalists/meteorologists  
\* Interviewed by three TV stations about spectator lightning safety
  - CONFERENCE REPORTER – NOAA’S RISA Meeting in Dallas December 2003  
\* Wrote formal summary of meeting for national publication
  - PARTICIPANT – UCAR Undergraduate Leadership Workshop Summer 2002  
\* Selected as 1 of 16 students from across the country  
\* Studied atmospheric science research, science policy, and science education
  - PARTICIPANT – International H<sub>2</sub>O Project Summer 2002  
\* Worked as driver/assistant in vehicular weather stations & mobile radar units

## LEADERSHIP POSITIONS

- PENN STATE SKI TEAM ALUMNI INTEREST GROUP (AIG)
  - \* **First President** of the Board of Directors 2004-2007
- “WEATHER OR NOT” – Student-produced Television weather show 2002-2003
  - \* **Co-creator and producer** of weekly weather show
- PENN STATE SKI TEAM – Club Sport 1999-2003
  - \* **President ('02-'03)**, responsible for organization and strategy of 80+ person team
  - \* **Secretary ('01-'02)**, managed forms, spreadsheets, and travel arrangements
  - \* Raced as a member of traveling and competitive team

## HONORS

- **LEEDS SCHOOL OF BUSINESS ENTREPRENURIAL FELLOWSHIP** 2005
- **LEEDS SCHOOL OF BUSINESS FELLOWSHIP** 2004
- **AMERICAN METEOROLOGICAL SOCIETY GRADUATE FELLOWSHIP** 2003
- **JOEL MYERS SCHOLARSHIP** – Achievement in Meteorology/Business Applications 2003
- **HANS NEUBERGER AWARD** – Outstanding Teaching in Meteorology 2003

## WEATHER COMMUNITY EXPERIENCE

- **AMS Weather & Climate Enterprise Committee Meeting:** Offered many comments at three-day meeting and following-up on communication strategies within the community 2006
- **AMS Student Conference:** Speakers and part of the planning committee 2005/2006
- **AMS Summer Policy Colloquium:** Participant 2005

## PROFICIENCIES

- Basic meteorology teaching and instruction in a FUN way (taught classes at Penn State and CU)
- Science Policy graduate student for three years
- Basic to moderate skill in web design
- Basic to moderate skill in graphic arts
- Moderate skill in statistics
- Moderate to high skill in photography
- Moderate to high skill in survey/questionnaire design