

# ARNOLD POMPOŠ

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Fermi National Accelerator Laboratory, MS 318, Batavia, IL 60510, USA • Tel: (630) 840-8410 (w), (630) 840-4241 (h)  
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**Objective**      **A POSITION THAT WILL UTILIZE MY EDUCATION AND THAT WILL EMPLOY AS MANY AS POSSIBLE OF MY SCIENTIFIC, COMMUNICATION, AND ORGANIZATIONAL SKILLS AND MY CAPABILITIES FOR TEACHING.**

**Education**      **PURDUE UNIVERSITY**      West Lafayette, IN  
08/95 -12/02      **Ph.D.** in Experimental High-Energy Particle Physics, GPA 3.8/4.0.

09/89 - 06/94      **CHARLES UNIVERSITY**      Prague, Czech Republic  
M.S. in Theoretical Physics, Summa Cum Laude, GPA 4.0/4.0.

**Experience**      **POST- DOCTORAL RESEARCH ASSOCIATE, Purdue University**      West Lafayette, IN  
01/03-present      

- Stationed at America's premier high-energy physics research facility, Fermilab, Batavia IL.
- Searched for particles predicted by physics theories beyond the current Standard Model of Particles.
- Mentored graduate student on thesis research.

01/97 - 12/02      **RESEARCH ASSISTANT, Purdue University, Department of Physics**      West Lafayette, IN  

- Analyzed Fermilab's Collider Detector data. Looked for new, yet unseen, physics phenomena.
- Used statistical tools to filter out 10 signal-like events from billions of background events.
- Set world leading mass limits on supersymmetric particles.
- Developed and provided methodology useful for whole collaboration in further particle searches.
- Experienced with working in large international collaborations (experiment at Fermilab & in Geneva, Switzerland) as well as carrying out own projects in smaller subgroups.

09/98 - 09/99      **WEB & PHYSICS CONSULTANT, Fermilab, Office of Public Affairs**      Batavia, IL  

- Developed and maintained Fermilab's central web pages. Revitalized essential links & pages, tripled incoming traffic.
- Published highly popular article about relativistic effects.
- Initiated, designed, wrote and illustrated a popular system of web pages about light.

08/95 - 12/96      **TEACHING ASSISTANT, Purdue University, Department of Physics**      West Lafayette, IN  

- Taught physics sessions and problem solving skills. Wrote and graded quizzes.
- Was responsible for 3 out of 21 class sections. Kept all 3 sections performing within top 4. Was rated by students as the best TA.
- Worked for the physics department in physics and math help center for undergraduates.

**Awards & Fellowships**      Tautfest Memorial Award, 2002 • ΦΒΔ for international education & achievements, 2001 • PU Research Foundation Fellowship, 1998 - 1999 • Charles University Scholarship for highest GPA, 1990 - 1994

**Special skills**      **Languages:** Fluent in Hungarian, Slovak, Czech, Russian and English.  
**Computers:** Able to quickly adopt, adapt and use needed software.  
**Leadership:** Representative of Fermilab's Graduate Student Association, 1997-1998.  
**Communication:**  

- Was selected to be part of Fermilab's delegation to meet congressional staff, Washington D.C.
- Organized & guided Fermilab tours for public. Gave popular physics lectures in US and Europe.
- Helped international TV crews to prepare documentary about Fermilab and high-energy physics.
- Was a physics consultant for the Czech TV and appeared in their documentary about particle physics.

**Personal**      **Citizenship:** Slovak Republic  
**Activities:**      Playing soccer and volleyball, skiing, hiking, traveling and dancing.

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## References

**Prof. Virgil Barnes**  
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Professor Barnes was one of my former Ph.D. thesis research advisors.

**Prof. Daniela Bortoletto**  
Department of Physics  
Purdue University  
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Professor Bortoletto was one of my former Ph.D. thesis research advisors. I was her teaching assistant when I was teaching at Purdue University

**Dr. Stephan Lammel**  
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I worked closely with Dr. Lammel, the convener of the Exotic Physics group at CDF experiment of Fermi National Accelerator Laboratory. He was one of my former Ph.D. thesis research advisors.

**Judy Jackson**  
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Judy Jackson is the head of the office of Public Affairs at Fermilab. I worked very closely with her when I was the web and physics consultant for her office.