

Sridhara Rao Dasu

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Personal Data

Date of Birth: August 25, 1961 in Hyderabad, India
Nationality: United States (Naturalized)

Education

1988 Ph. D. Physics, University of Rochester, Rochester, NY
(Thesis Advisor: Prof. Arie Bodek)
1983 M. Sc. Physics, University of Hyderabad, Hyderabad, India
1981 B. Sc., Nizam College (Osmania University), Hyderabad, India

Positions Held

2010 – Present Full Professor, University of Wisconsin-Madison
2017 – 2021 Chair, Department of Physics, University of Wisconsin-Madison
2006 – 2009 Associate Professor, University of Wisconsin-Madison
2000 – 2005 Assistant Professor, University of Wisconsin-Madison
2000 – 2000 Associate Scientist, University of Wisconsin-Madison
1992 – 1999 Assistant Scientist, University of Wisconsin-Madison
1988 – 1992 Research Associate, Stanford Linear Accelerator Center
1983 – 1988 Research/Teaching Assistant, University of Rochester

Honors

2016-19 Adjunct Professor, Tata Institute of Fundamental Research, Mumbai, India
2012 Elected Fellow of American Physical Society
2012 Vilas Associate, University of Wisconsin
1988 David Dexter Prize, University of Rochester, New York
1981 University Merit Scholarship, University of Hyderabad, India
1979 National Merit Scholarship, Nizam College, India

Collaborations

1993 – now CMS experiment at CERN – High Energy Proton-Proton Collisions
1997 – 2010 BaBar experiment at SLAC – e^+e^- Annihilations at Upsilon(4S)
1992 – 1997 ZEUS experiment at DESY – High Energy Electron-Proton Collisions
1992 – 1993 SDC experiment at SSC Laboratory – High Energy Proton-Proton Collisions
1988 – 1992 SLD experiment at SLAC – e^+e^- Annihilations at Z^0
1985 – 1992 E140 experiment at SLAC – Measurement of R in Deep Inelastic Scattering
1985 – 1988 E141 experiment at SLAC – Search for Short Lived Axions in Beam Dump

Professional Activities

Collaboration Management Responsibilities

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| 2018 – Present | USCMS Level-3 Manager of CMS L1 Calorimeter Trigger Upgrade |
| 2005 – Present | Manager of the CMS Tier-2 Computing Center at Wisconsin |
| 1998 – Present | USCMS Level-3 Manager of CMS L1 Calorimeter Trigger System |
| 2014 – 2016 | Chair of US CMS Collaboration |
| 2014 – 2016 | Member of CMS Management & Collaboration Boards |
| 2012 – 2013 | Co-convener of the Higgs to Taus group of CMS |
| 2012 – 2014 | Trigger and Data Acquisitions Resource Manager |
| 2010 – 2011 | Upgrade Physics Coordinator for CMS |
| 2008 – 2009 | Co-convener of the Electroweak Physics group of CMS |
| 2005 – 2007 | Co-convener of the Online Selection group of CMS |
| 2003 – 2010 | Head of the Technical Board of the Grid Laboratory Of Wisconsin |

Community and Collaboration Service

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| 2022 – Present | Member, International Committee on Future Accelerators |
| 2022 – Present | Chair, Fermilab Users Executive Committee |
| 2019 – Present | Co-chair, CMS Career Committee |
| 2019 – Present | Member, CMS Authorship Committee |
| 2007 – 2015 | Member, US LHC Users Organization Executive Committee |
| 2004-07, 13-16 | Member, LHC Physics Center Advisory Board |
| 2007 – 2009 | Member, US CMS Institutional Advisory Board |
| 2003 – 2007 | Chair, USCMS Advisory Software & Comp. Board |
| 2000 – 2003 | Member, USCMS Advisory Software & Comp. Board |
| 2001 – 2002 | Chair, SLAC Users Organization Executive Committee |
| 2000 – 2003 | Member, SLAC Users Organization Executive Committee |

Publications

Prof. Dasu is an author of over a thousand papers published in peer-reviewed journals by BaBar, CMS, SLD, ZEUS and fixed target experiments at SLAC. Recently >150 publications per year are made, of which ~10 per year have direct scientific involvement annually. For complete list and citations, ... see:

http://inspirehep.net/search?ln=en&ln=en&p=find+a+dasu+and+ps+published&of=hcv&action_search=Search&sf=&so=d&rm=&rg=25&sc=0

Research Funding Agencies

Average funding level for the group is greater \$3.7M per year of which \$1.3M is the base funding for physics research, \$1.9M for detector maintenance, operations and upgrades, and \$0.5M is for tier-2 computing center. S. Dasu serves as the PI for the DOE umbrella grant.

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| Base Research Program | Department of Energy |
| Tier-2 Computing Center | Subaward of National Science Foundation |
| Trigger Operations & Upgrades | Subawards of DoE and NSF and FNAL |
| Special funding opportunities | Wisconsin Alumni Research Foundation |

List of Principal Investigators with Shared Funding/Responsibilities

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| Prof. Kevin Black | Wisconsin | CMS |
| Prof. Tulika Bose | Wisconsin | CMS |
| Prof. Matt Herndon | Wisconsin | CMS |

List of Research Staff

Current Scientific Staff

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|--------------------|-------------------------------------|
| Dr. Varun Sharma | Assistant Scientist, CMS |
| Dr. Sascha Savin | Senior Scientist, CMS |
| Dr. Carl Vuosalo | Research Software Developer, CMS |
| Dr. Ajit Mohapatra | Researcher (Physics Computing), CMS |

Past Scientific Staff

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|-----------------------------------|--|
| Dr. Cecile Caillol, CMS | Scientist, CERN |
| Dr. Bhawna Gumber, CMS | Assistant Professor, University of Hyderabad |
| Dr. Isobel Ojalvo, CMS | Assistant Professor, Princeton University |
| Dr. Pamela Klabbbers, CMS | Staff Scientist, Fermilab |
| Dr. Tapas Sarangi, CMS | Computing Industry, Wisconsin |
| Dr. Maria Cepeda, CMS | Faculty, CIEMAT, Spain |
| Dr. Evan Friis, CMS | Google, California |
| Dr. Monika Grothe, CMS | Accenture, Zurich, Switzerland |
| Dr. Jonathan Efron, CMS | Industry, Minnesota |
| Dr. Kevin Flood, BaBar | Program Officer, Department of Energy, USA |
| Dr. Maurizio Pierini, BaBar | Scientist, CERN |
| Dr. Ajit Mohapatra, BaBar, | Researcher, University of Wisconsin |
| Dr. Francesca Di Lodovico, BaBar, | Professor, Queen Mary College, England. |

Current Professional Staff

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| Ms. Jes Tikalsky | Systems Software Developer, CMS |
| Mr. Ales Svetek | Firmware Developer, CMS |
| Mr. Kiran Das | Firmware Developer, CMS |
| Mr. Tom Gorski | Senior Electronics Engineer, CMS |
| Mr. Robert Fobes | Electronics Technician, CMS |

Past Professional Staff

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| Mr. Marcelo Vicente, CMS | Apple Inc, California |
| Mr. Mathias Blake, CMS | Xilinx Corporation, California |
| Mr. Will Maier, CMS | Computer Systems Engineer, Oregon |
| Mr. Dan Bradley | Director of Computing, UW–Madison, Physics |

List of Students

Current PhD Students

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|----------------------------|----------------------------------|
| Ms. Shivani Lomte | PhD Student, Muon Collider & CMS |
| Mr. Ho-Fung Tsoi | PhD Student, CMS |
| Mr. Abhishikth Mallampalli | PhD Student, CMS |
| Mr. Jithin M. Sreekala | PhD Student, CMS |

Current Masters Students

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| Mr. Harshit Sharma | MS Student, Electrical and Computer Engineering |
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Current Undergraduate Students

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| Mr. Kenny Zia | BS Physics Student, Muon Collider Explorations |
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Past Doctoral Advisees

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| Dr. Usama Hussain | PhD (CMS) 2020, Data Scientist, Chartbeat, NY |
| Dr. James Buchanan | PhD (CMS) 2019, Postdoc, LLNL |
| Dr. Tyler Ruggles | PhD (CMS) 2018, Res Assoc, Carnegie Institute, CA |
| Dr. Devin Taylor | PhD (CMS) 2017, Res Assoc, UC–Davis, CA |
| Dr. Aaron Levine | PhD (CMS) 2016, Accenture, San Diego, CA |
| Dr. Ian Ross | PhD (CMS) 2013, Researcher, Comp Sci, UW-Madison |
| Dr. Lindsey Gray, | PhD (CMS) 2012, Scientist, FNAL, IL |
| Dr. Michal Bachtis, | PhD (CMS) 2012, Faculty, UCLA, CA |
| Dr. Mike Anderson, | PhD (CMS) 2011, Industry, TX |
| Dr. Carl Vuosalo, | PhD (BaBar) 2009, Researcher, Physics, UW-Madison |
| Dr. Ping Tan | PhD (BaBar) 2005, Researcher, University of Iowa |

Past Doctoral Advisees (co-advised)

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|--------------------|--|
| Dr. Nick Smith | PhD (CMS) 2018, Res Assoc, FNAL, IL (advisor Prof. Smith) |
| Dr. Laura Dodd | PhD (CMS) 2018, Northrop Grumman, NY (advisor Prof. Smith) |
| Dr. Nate Woods | PhD (CMS) 2017, Accenture, Seattle, WA (advisor Prof. Smith) |
| Dr. Tom Perry | PhD (CMS) 2016, Teacher, AZ (advisor Prof. Smith) |
| Dr. Austin Belknap | PhD (CMS) 2015, Epic Systems, Wisconsin, (advisor Prof. Smith) |
| Dr. Isobel Ojalvo | PhD (CMS) 2014, Res Assoc, UW-Madison (advisor Prof. Smith) |
| Dr. Joshua Swanson | PhD (CMS) 2013, Intel, Oregon (advisor Prof. Smith) |

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|------------------------|--|
| Dr. Kira Grogg | PhD (CMS) 2011, Harvard Medical School (advisor Prof. Smith) |
| Dr. Marc Weinberg | PhD (CMS) 2011, Florida State, (advisor Prof. Smith) |
| Dr. Christos Lazaridis | PhD (CMS) 2011, CERN Fellow, (advisor Prof. Smith) |
| Dr. Jessica Leonard | PhD (CMS) 2011, DESY Fellow, (advisor Prof. Smith) |
| Dr. Jonathan Hollar, | PhD (BaBar) 2006, Belgium (advisor Prof. Prepost) |
| Dr. Andrew Eichenbaum | PhD (BaBar) 2004, Industry, CA (advisor Prof. Prepost) |

Past Masters Students

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|---------------------------|--|
| Ms. Ada Rubin | MS (Physics) 2004, PhD Student, Iowa State |
| Ms. Meghan O'Connell | MS (Physics Education) 2005 |
| Ms. Kendra Rand | MS (Physics Education) 2005 |
| Mr. Vishal Mehta | MS (EE/CS) 2007, Industry, Santa Clara, CA |
| Mr. Vivek Puttabuddhi | MS (EE/CS) 2005, Industry, Mountain View, CA |
| Mr. R. Gowrishankara Iyer | MS (EE/CS) 2004, Industry, Boston, MA |
| Mr. Rajesh Rajamani | MS (EE/CS) 2002, Industry, Palo Alto, CA |

Past Undergraduate Students

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| Mr. Yuze Chen | BS (Physics) 2022 |
| Mr. Philip Bjorklund | BS (Physics) 2022 |
| Mr. Cameron McDowell | BS (Physics) 2020 |
| Mr. Evan Koenig | BS (Physics) 2019, Graduate Student, Florida |
| Mr. Marc Tost | BS (Physics) 2019, Graduate Student, UT-Austin |
| Mr. Pingchuan Zhang | BS (Physics) 2014, Graduate Student, Duke |
| Dr. Stephan Cooperstein | BS (Physics) 2014, PhD Princeton, Postdoc UCSD, CA |