

Chakri Deverapalli
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Director of Information Systems
Room: 329 College of Business Administration
University of Alabama in Huntsville
Huntsville, AL-35899

EDUCATION

- **Master of Science in Management (MSM)** UAHuntsville (2006)
 - **Master of Science (MSE) in Computer Engineering** UAHuntsville (2003)
 - **Master of Science (MSE) in Electrical Engineering** UAHuntsville (2001)
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QUALIFICATION SUMMARY

- **Project Management Professional (PMP) Certification** Jul-2015 – Current
 - **Scrum Fundamentals Certified (SFC) Certification** Jan-2016 - Current
 - Able to lead entrepreneurial activities.
 - Able to Plan, deploy, migrate and maintain the Computer Infrastructure for medium scale organizations.
 - Able to motivate, manage and lead a group to realize project goals.
 - Able to communicate clearly and effectively both written and orally.
 - Experience includes writing proposals to NASA, NSF to bring in new business and publishing over 20 papers in International Journal and Conference Proceedings.
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PRESENT EMPLOYMENT

**Director of Information Systems and Lecturer in Management Information Systems,
College of Business, UAHuntsville** *(June 2008–Present)*

- Ensure high levels of security, privacy, and reliability to the College's computational resources.
- Responsible for Strategic planning of Information Systems for the College
- Developing and implementing new IT initiatives.
- Teach classes in the department of Management Information Systems at the undergraduate level for the College of Business.

Systems Manager for CSPAR-UAH *(October 2003 – 2008)*

- Ensuring high levels of security, privacy, reliability, and availability of the Center's Computational Resources.
- Maintaining an inventory of the current systems, drafting plans in acquiring new systems, and periodically accessing the old equipment.
- Responsibilities include but are not limited to managing the following servers environments:
- *Upgrades (Hardware & Software), License upkeeps, Migrations, Backups on multiple platforms.*
- *Prepare the IT infrastructure budget for the center and handle the responsibilities of the budget (~100K/yr)*

Research Associate for CSPAR-UAH

(October 2003 – 2008)

- Submitted proposals to several organization(NASA, NSF, NIH, etc) for a total of 2.5M
 - Authored/Co-Author of more than 20 articles in Journals and several talks at international conferences.
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PRESENT ENTREPRENUERIAL ACTIVITIES

Founder and President of Southern Cord Inc.

- Southern Cord is a family cord blood bank located in Hudson Alpha Institute and is headquartered in Huntsville. The first family cord blood bank located in the state of Alabama. Responsible for taking an idea from inception to a profit-returning business.
 - Southern Cord was acquired by Family cord in 2016.
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Current Service

- **Founding Faculty Advisor iSystems Club**
 - The Club is modelled with three main areas of focus i) iSocial ii)iNetworking iii) iGiveback
 - Through iGiveback program we help local non-profit's with IS needs and currently have helped United Way of Madison County, Huntsville Senior Center, Huntsville Community Chorus, North Alabama Coalition for Homeless
 - We focus on using latest technologies and have also developed Android app, applications using Raspberry Pi
 - **Faculty and Staff Traffic Appeals Committee**
 - **Participated in several recruiting, outreach and IT committee's**
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SIGNIFICANT SYNERGESTIC ACTIVITIES AND ACHEIVEMENTS

- Co-Chair of session, Techniques for High-Performance and Parallel Computation in Earth and Space Science Modeling in American Geophysical Union Fall '06 Meeting (AGU Fall Meeting is the biggest Geophysical Meeting in the country with attendees ~8500-10000).
- UAH Outstanding Staff Award in 2006 (In < 3 yrs of service)
- Outstanding Volunteer Award in 2008 from Asha Kiran.
- Granted Permanent Residency by Department of Home Land Security as an Outstanding Researcher (< 10% applicants are qualified).
- Board Member AshaKiran (Vice Chair).
- Board Member North Alabama Coalition for Homeless.
- Completed Leadership Connect Program (CC 10)
- Hudson Alpha Connections (2012 – Present)
- Nominated Young Professional of the Year from Huntsville Chamber, 2012
- Chaired Annual fundraiser for Asha Kiran in 2014 and raised \$100,000 (biggest in the organization history)

PUBLICATIONS

1. **C. Deverapalli**, L. Joiner, S.M. Yoo, "Performance Comparison of Routing Protocols for mobile ad-hoc networks," International Conference On Wireless Networks-02, LasVegas, Nevada, USA .
2. **C. Deverapalli**, S.M. Yoo, R. Ramasamy "Comparison study of Mobile and Stationary Ad hoc Networks", Huntsville Simulation Conference-02, Huntsville, Alabama, USA.
3. **C. Deverapalli**, "Enhanced Plasma Expansion in Auroral Plasma Cavities in the Upward Current Region" AGU Fall-2004 San Francisco, CA
4. **C. Deverapalli**, Yoo and Pan, "An automobile tracking system using wireless sensor networks," submitted to *Intelligent Transportation Systems Journal*.
5. R. Ramasamy, **C. Deverapalli**, S.M. Yoo, "Simulation study of Wireless Sensor Network", Huntsville Simulation Conference-02, Huntsville, Alabama, USA.
6. Singh, N., S. M. Loo, B. Earl Wells, and **C. Deverapalli**, Three-dimensional structure of electron holes driven by an electron beam, *Geophys. Res. Lett.*, 27, 2469, 2000.
7. Singh, N., **C. Deverapalli**, I. Khazanov, N. Puthumbakum, and A. Rajagiri, Parallel electric Fields in a diverging flux tube with upward current: nature of quasistatic fields, *J. Geophys. Res.*, Vol. 110, A05205, doi 10.1029/2004JA010695, 2005
8. Singh, N., **C. Deverapalli**, A. Rajagiri, and I. Khazanov, Dynamical Behavior of U-shaped double layers: Cavity formation and filamentary structures, *Nonlin. Proc. Geophys.*, SREF – ID: 1607-7946/npg/2005.
9. Singh, N., **C. Deverapalli**, I. Khazanov, and G. Khazanov, Comparison of electric fields and density structures seen in simulations and satellite observations, *Geophys. Res. Lett.*, 32, L13108, 2005.
10. Singh, N., **C. Deverapalli**, and G. Khazanov, Electrodynamics in a very thin current sheet leading to magnetic reconnection, *Nonlinear Proc. Geophys.*, 13, 1-15, 2006.
11. Singh, N., **C. Deverapalli**, Thinning of Current sheets and magnetic reconnection, in *Solar Influence on the Heliosphere and Earth's Environment, Recent Progress and Prospects*, edited by N. Gopalswamy and A. Bhattacharys, p. 315, 2006.
12. Three-dimensional structure of electron holes driven by an electron beam, Nagendra Singh, S. M. Loo, B. E. Wells, and **C. Deverapalli**, *AGU Western Pacific General Meeting*, Tokyo, Japan, June 2000.
13. Nonlinear behavior of electron-beam-driven waves in a magnetized plasma, S. M. Loo, Nagendra Singh, B. E. Wells, and **C. Deverapalli**, *AGU Western Pacific General Meeting*, Tokyo, Japan, June 2000.
14. S. M. Loo, Nagendra Singh, B. Earl Wells, and **C. Deverapalli**, Nonlinear Behavior of Electron-Beam-Driven Waves in a Magnetized Plasma, *Proceedings AGU Western Pacific Meeting*, New Zealand, July 2002.
15. **Deverapalli, C.**, N. Singh, Enhanced Plasma Expansion in Auroral Plasma Cavities in the Upward Current Region, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., SM54A-08, 2004.
16. Singh, N. and **C. Deverapalli**, Role of Electrostatic Instability in Initiating Magnetic Reconnection in Thin Current Sheets, *Asia Oceania Geosciences Society Annual Mtg.*, Singapore, June 20-24, 2005

17. Singh, N. and **C. Deverapalli**, 3-D Particle-in-cell Simulation of Current Sheets in H+ Plasma: Bifurcation and Magnetic Reconnection, Scientific Assembly of the International Assoc. of Geomagnetism and Aeronomy, Toulouse, France, July 18-29, 2005.
18. **Deverapalli, C.**, Singh, N., Germany, G.A., Wells, B.E., Arcot, K.S., Parallel 2-Dimensional Particle in Cell Simulation of Mesoscale Auroral Potential Structure, AGU Spring Conference, Baltimore, MD, 2006.
19. Singh, N., **C. Deverapalli**, and G. Khazanov, Electrodynamics in a very thin current sheet leading to magnetic reconnection, ILWS Workshop, Goa, India, Feb. 19-24, 2006.
20. N. Singh and **C. Deverapalli**, Kinetic simulation of thinnest current sheets as detected from Cluster (invited), [COSPAR2006-A-00567](#); [D3.1-0031-06](#), 2006.

FUNDED PROPOSALS

- Ultra Violet Imager Auroral Data Access to Virtual Observatories from NASA.
Proposal Amount : \$50,000.00
- Improving the Meso-scale weather Kinetic Simulated model for the dissipation of Alfvén Waves from UR II Proposal Amount: \$64,676.