Chakri Deverapalli

EDUCATION

- **Master in Business Administration (MBA)** UAHuntsville (2006)
- **Master of Science (MSE) in Computer Engineering** UAHuntsville (2003)
- **Master of Science (MSE) in Electrical Engineering** UAHuntsville (2001)

QUALIFICATION SUMMARY

- **Project Management Professional (PMP) Certification Jul-2015 – Current**
- **Scrum Fundamentals Certified (SFC) Certiication 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.

EMPLOYMENT

Founder, CEO: ragasedu.com (Retention and Graduation Analytics System for Higher Education)

Director of Information Systems and Lecturer in Management Information Systems, College of Business, UAHuntsville

Founder, CEO: Southerncord.com Southern cord is a family cord blood banking company established to provide the cord blood banking needs to the people in TN valley area. We are the first ones in the state of Alabama making it affordable while providing reliable services. It was successfully acquired by California Cryo Bank

Systems Manager / Research Associate for CSPAR-UAH

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)
- Nominated Young Professional of the Year from Huntsville Chamber, 2012
- Chaired Annual fundraiser for Asha Kiran in 2014 and raised $100,000
- **Certifications:** Project Management Professional, SAP TERP 10, SCRUM Certified

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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

- Charger Innovation Fund – Retention and Graduation Analytics System Funded for 2020, 2021 Proposal Amount : $30,0000
- 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 Alfven Waves from URII Proposal Amount: $64,676.
- Charger Innovation Fund: Retention and Graduation Analysis System, 2021
- Charger Innovation Fund: Retention and Graduation Analysis System, 2022
- Charger Innovation Fund: Retention and Graduation Analysis System, 2023
- Total Amount of $50,000