

Assefaw Hadish Gebremedhin

Curriculum Vitae

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Personal information

- Date of birth: May 12, 1970.
- Civil status: Married. One daughter born June 18, 2002.
- Citizenship: Ethiopian. Lived in Norway since 1993.

- Work address:

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Education

- 1999–2003, University of Bergen, Bergen, Norway
Dr.scient (PhD) in Informatics, March 2003.
- 1996–1999, University of Bergen
Cand.scient (M.Sc) in Informatics, May 1999.
- 1993–1996, University of Bergen
Cand.mag (B.Sc) in Informatics, June 1996
1993–94, completed a one-year course on Norwegian language and culture.
- 1987–1992, Addis Ababa University, Addis Ababa, Ethiopia
B.Sc in Electrical Engineering, August 1992.

Employment

- Sept 1999 – Sept 2003, University research fellow
University of Bergen (UoB), Department of Informatics.
- Sept 2000 – Dec 2000, Instructor
Norway's Information Technology College (NITH), Bergen.
- Jan 1997 – Aug 1999, Teaching assistant
University of Bergen.

Research visits

- Jan – June 2001, Old Dominion University, Virginia, USA,
visiting Prof. Alex Pothén.
- Feb 2002, LORIA, Nancy, France, visiting Dr. Jens Gustedt.

Committees

- Member of Organizing Committee Para2000 - Workshop on Applied
Parallel Computing, Bergen, Norway, June 18 – 21, 2000.

Teaching experience

- Instructor
 - Algorithms and Data Structures, Prog38, NITH, Autumn 2000.
- Teaching Assistant
 - Object Oriented Programming in Java, I110, UoB, 2000–2002
 - Algorithms, I234, UoB, Autumn 1999
 - Parallel Algorithms, I236, UoB, Spring 1997 and 98
 - Database and Data Modeling, I126, UoB, Autumn 1997 and 98.

Research interests

- Combinatorial scientific computing
- Parallel computing.

Languages

- English, Norwegian,
- Amharigna and Tigrigna (two of the main languages in Ethiopia).

Publication list

- Journal papers
 1. A.H. Gebremedhin, I.G. Lassaous, J. Gustedt and J.A. Telle, **Graph Coloring on Coarse Grained Multicomputers**, *Discrete Applied Mathematics*, Vol 131/1, pp 179–198, 2003.
 2. A. H. Gebremedhin and F. Manne, **Scalable Parallel Graph Coloring Algorithms**, *Concurrency: Practice and Experience*. 2000; 12:1131-1146.
- Refereed conference proceedings
 3. A.H. Gebremedhin, F. Manne and A. Pothen, **Parallel Distance- k Coloring Algorithms for Numerical Optimization**, In B. Monien and R. Feldmann (Eds.): *Euro-Par 2002, LNCS 2400*, pp 912-921, Springer-Verlag 2002.
 4. A.H. Gebremedhin, I.G. Lassaous, J. Gustedt and J.A. Telle, **PRO: a Model for Parallel Resource-Optimal Computation**, *Proceedings of HPCS'2002-the 16th Annual International Symposium on High Performance Computing Systems and Applications*, IEEE Computer Society Press, 2002, pp 106-113.
 5. A.H. Gebremedhin, I.G. Lassaous, J. Gustedt and J.A. Telle, **Graph Coloring on a Coarse Grained Multiprocessor**, In U. Brandes and D. Wagner (Eds.): *WG2000, 26th International Workshop on Graph-Theoretic Concepts in Computer Science*, LNCS 1928, pp 184-195, Springer-Verlag 2000.
 6. A.H. Gebremedhin and F. Manne, **Parallel Graph Coloring Algorithms using OpenMP**, *Proceedings of EWOMP'99, 1st European Workshop on OpenMP*, Sept. 30 - Oct. 1, 1999, Lund, Sweden, pp 10 - 18.
- Technical reports
 7. A.H. Gebremedhin, F. Manne and A. Pothen, **Graph Coloring in Optimization Revisited**, *Report no. 226, January 2002, Department of Informatics, University of Bergen*.

- Books

8. T. Sørøvik, F. Manne, R. Moe, and A.H. Gebremedhin (Eds.), **Applied Parallel Computing. New Paradigms for HPC in Industry and Academia**, *5th International Workshop, Para2000 Bergen, Norway, June18-20, 2000 Proceedings, LNCS 1947, Springer 2001.*

- Theses

9. A.H. Gebremedhin, **Practical Parallel Algorithms for Graph Coloring Problems in Numerical Optimization**, *Dr.scient (PhD) thesis, Department of Informatics, Univ. of Bergen, February 2003.* The thesis consists of papers [1], [2], [3], [4], an extended version of paper [7], and a common introduction. All parts of the thesis are available at <http://www.ii.uib.no/~assefaw/pub/publications.html>
10. A.H. Gebremedhin, **Parallel Graph Coloring**, *Cand.scient (M.Sc) thesis, Department of Informatics, Univ. of Bergen, May 1999.*

References

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2. Professor Alex Pothen
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3. Associate Professor Pinar Heggernes
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4. Associate Professor Rob Bisseling
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5. Dr. Paul Hovland
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