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:

Department of Informatics	Email: assefaw@ii.uib.no
University of Bergen	WWW: http://www.ii.uib.no/~assefaw
N-5020 Bergen	Ph: (+47) 55 58 42 71
Norway	Fax: (+47) 55 58 41 99

- Home address:

Haakon Sæthresvei 51	Ph: (+47) 55 13 62 67
5232 Paradis	Mobile: 99 39 68 65
Norway	

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 Pothen.
- 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. Sørevik, 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 vailable 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

1. Professor Fredrik Manne
   Department of Informatics
   University of Bergen
   N-5020 Bergen, Norway
   Email: Fredrik.Manne@ii.uib.no

2. Professor Alex Pothen
   Computer Science Department
   Old Dominion University
   228 Education Building
   Norfolk, VA 23529-0162
   Email: pothen@cs.odu.edu

3. Associate Professor Pinar Heggernes
   Department of Informatics
   University of Bergen
   N-5020 Bergen, Norway
   Email: Pinar.Heggernes@ii.uib.no

4. Associate Professor Rob Bisseling
Department of Mathematics
Utrecht University
PO Box 80010
3508 TA Utrecht, the Netherlands
Email: Rob.Bisseling@math.uu.nl

5. Dr. Paul Hovland
MCS Division, Bldg. 221, Rm. C-236
Argonne National Laboratory
9700 S Cass Ave
Argonne, IL 60439
Email: hovland@mcs.anl.gov