

## CURRICULUM VITAE

### Mesfin Belachew Tefera (Ph.D.)

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Addis Ababa, Ethiopia

**Date of Birth** : November 13, 1961

**Place of Birth** : Ethiopia, Shoa

**Nationality** : Ethiopian

**Sex** : Male

**Marital Status** : Married, three Children

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**Language** : *Amharic*, national language in Ethiopia (mother tongue),  
*English* (v. good in writing and speaking),  
*German* (v. good in writing and speaking), and  
*Oromifa*, regional language in Ethiopia (moderate in both)

#### EDUCATION

- 1998 - January 2004:- **Ph.D.** in Computer Science at the University of Mumbai. Research topic - "Hardware/Software Co-design: From Requirement to Prototyped Systems", Researching in School of Technology and Computer Science, Tata Institute of Fundamental Research, Bombay, India. *Doctoral Advisor*: Professor R.K. Shyamasundar
- 1985-1990:- Computer Technology/Science; Ilmenau Institute of Technology (Germany); Study in the department of Technical Cybernetic and Automation Technology (**Master's and Bachelor's Degree**). *Thesis Advisor*: Prof. Dr. Wolfgang Fengler
- 1980-1982:- Electrical Technology; Bahir Dar Polytechnic Institute (Ethiopia); (**Diploma**)
- 10<sup>th</sup> March 1999 - 9<sup>th</sup> March 2000:- Business Management and Administration; Central Institute of Management (India) (**Postgraduate Diploma**)

- January 2010 – February 2009:- Monitoring & Evaluation of IT Projects; Development Training International (DTI); Mbabane ; Kingdom of Swaziland; (**Certificate**)
- 18<sup>th</sup> January 2010 – 17<sup>th</sup> March 2010:-Management of Information & Communication Technologies; Galilee College (Israel) (**Diploma**)
- April 2009 – May 2009:- Project Management; Development Training International (DTI); Mbabane ; Kingdom of Swaziland; (**Certificate**)
- 1984-1985:- German Language Course; Harder Institute of Karl-Marx-University, Leipzig (Germany); (**Certificate**)
- 26<sup>th</sup> July – 6<sup>th</sup> August 1993:- Principle of Teaching; The University of Haddersfield and Bahir Dar Polytechnic Institute (Ethiopia); (**Certificate**)
- 12<sup>th</sup> February – 12<sup>th</sup> March 1996:- Applied Electrical and Electronics Engineering Technology in Printed Circuit Board Design and Fabrication; Jomo Kenyatta University (Kenya); (**Certificate**)

### PROFESSIONAL EXPERIENCE

- September 2010 – present* :- **Director** of Electronic Government Directorate, Ministry of Communication and Information Technology, (MCIT), Addis Ababa, Ethiopia.
- August 2007 – September 2010*:- **Deputy Director General** of Ethiopian Information & Communication Technology Development Agency (EITCDA), Addis Ababa, Ethiopia.
- August 2009 – September 2010* :- **Director** of Government Information System Development and Data Center Administration Directorate, Ethiopian Information & Communication Technology Development Agency (EITCDA), Addis Ababa, Ethiopia.
- 2007 – 2009*:- **Assistant Professor (part-time base)** at Addis Ababa University, Faculty of Informatics, Department of Computer Science, Addis Ababa, Ethiopia.
- 2008 – present*:- **Assistant Professor (Collaborator)** at PhD program for the truck of Information Systems (IS) at Addis Ababa University, Faculty of Informatics, Addis Ababa, Ethiopia.
- August 2006 – August 2007*:- **Assistant Professor** at Unity University Collage, Faculty of Information Technology & Computational Science, Addis Ababa, Ethiopia.
- May 2007 – July 2007*:- **Dean** of the Faculty of Information Technology & Computational Science, at Unity University Collage, Addis Ababa, Ethiopia.

- viii. *September 2006 – May 2007:-* **Head** of Management and Information System Department at Unity University Collage, Faculty of Information Technology & Computational Science, Addis Ababa, Ethiopia.
- ix. *January 2004 – September 2006:-* **Assistant Professor** at Bahir Dar University, Engineering Faculty, Bahir Dar, Ethiopia.
- x. *June 2004 - January 2006:-* **Dean** of the Engineering Faculty at Bahir Dar University, Bahir Dar, Ethiopia.
- xi. *January 2004 - July 2004:-* **Head** of the Computer Science and ICT (Information and Computer Technology) at Bahir Dar University, Engineering Faculty, Bahir Dar, Ethiopia.
- xii. *Sept. 1998 - January 2004:-* **Research** (for Ph.D.) at School of Technology and Computer Science, Tata Institute of Fundamental Research, Bombay, India.
- xiii. *1990-1998:-* **Lecturer / Senior Lecturer** in Electrical Engineering Department at Bahir Dar University, Engineering Faculty, Bahir Dar, Ethiopia.
- xiv. *1995-1997:-* **Head** of the Electrical Engineering Department at Bahir Dar University
- xv. *1994-1998:-* **Head** of the Computer Center of the Engineering Faculty, Bahir Dar University,
- xvi. *1982-1984:-* **Instructor** at Bahir Dar Polytechnic Institute in Electrical Technology Department

#### **ADMINISTRATION EXPERIENCE** (1994-1998, 2003-Present)

1. *August 2009 – present:-* Director (at Ministry of Communication & IT and at EICTDA) of Government Information System Development and Data Center Administration Directorate, leading all eGovernment activities of the country which include all software system development, IT infrastructure development, e-service provisions, national data center, etc at federal level.
2. *August 2007 – September 2010 :-* Deputy Director General of Ethiopian Information & Communication Technology Development Agency (EITCDA), leading four big ICT projects like E-government, ICT for Community, ICT for Private Sector and Human Resource Development and R&D projects at Addis Ababa, Ethiopia.
3. *January 2011 – present:-* Board Member of the Ethio-Telecom (ET) the main telecommunication provider in Ethiopia.
4. *August 2008 – present:-* Board Member of the Commercial Bank of Ethiopia (CBE). CBE is the largest bank in Ethiopia. As a board member and IT professional, I have been involved in automating the bank which includes the

expansion of the infrastructure, acquiring of core banking software, customization, capacity building, etc.

5. *May 2007 – July 2007:-* Dean of the Faculty of Information Technology & Computational Science, at Unity University Collage, The Faculty has three Departments and giving in three areas a Bachelors degree in regular and extension programs.
6. *September 2006 – May 2007:-* Head of Management and Information System Department at Unity University Collage, Faculty of Information Technology & Computational Science. It is one of the three departments in the Faculty having more enrolment history than the others.
7. *June 2004 - January 2006:-*Dean of the Engineering Faculty at Bahir Dar University. The Faculty one of the biggest faculties of the University sharing almost half of the total budget of the whole budget allocated for the entire University. The Faculty has seven departments in engineering and science fields.
8. *January 2004 - July 2004:-* *Department Head* of the Computer Science and ICT (Information and Computer Technology). The department is new for the Bahir Dar University and all activities like, implementing the new curriculum, installing & testing the new equipments, creating a link between institutions, starting a continuing education, etc. are some of the responsibilities.
9. *Chairperson* of the Research and Publication Committee (RPC) of the Engineering Faculty, Bahir Dar University starting from July 2003 until now. RPC is in charge to follow up all research activities in the Faculty, to organize workshops in the Faculty, to assist researchers in there activity, etc.
10. *Chairperson* of the organization committee of the International Conference on Electrical and Computer Engineering (ICECE), Organized by the Bahir Dar University and the Ethiopian Medical, Engineering and Natural Science Society Germany (EMENSSG). The first conference is conducted in November 2003 and the second one is planned in November 2005.
11. *Department Head* of the Electrical Engineering Department. Responsibility includes: administering a department having more than 10 senior lecturers, 4-5 assistance & lab technicians, around 120 undergraduate students (2<sup>nd</sup>-4<sup>th</sup> year), more than 100 extension students. Achieved in raising admission to the department by running a very well organized continuing education in the faculty. Creating a link between factories in the country to get project works for last year students. Organizing local workshops and seminars in the department on different issues. Etc.
12. *Head* of the Computer Center. The center is established to give training to the surrounding community and raise money for the Faculty. The trainees are selected with some criteria and trained for 3 month to 1-year durations.

Responsibility includes: administering the center, which gives also facilities for the Engineering Faculty (computer training, printing & scanning, software/hardware installations, maintenances of software/hardware, etc.). Achieved in raising admission and money to the center by creating a link with governmental and nongovernmental organization around Bahir Dar.

### **RESEARCH FELLOWSHIP GRANT** (April –July 2012)

C. V. Raman International Fellowship for African Researchers by Department of Science and Technology, Ministry of Science and Technology, Government of India at Tata Institute of Fundamental Research, School of Technology and Computer Science from April 2012 up to July 2012

### **RESEARCH EXPERIENCE/INTEREST** (September 1998 - present)

1. E-Government Implementation, e-service delivery. The research deals with assimilation and sustainability factors of the E-Government implementation including challenges and opportunities of the E-Government initiatives.
2. "Software Hardware Co-design: From Requirement to Prototyped Systems". I am researching in the School of Technology and Computer Science, Tata Institute of Fundamental Research (India) in the area of Reactive System and Real Time System. The specific area of my research is dealing with the extended Message Sequence Charts (MSC+) implemented using a tool written in Java. The language creates some links/translation to the language ESTEREL, which is a reactive language. MSC+ is a requirement and specification language used in software design especially in integration with SDL and UML. I have proposed some extension to the standard Message Sequence Charts (called MSC+), which leads to a usage of this language for reactive system specifications.
3. *To Study and Develop IT Knowledge in the Pre-University and the High Schools in Ethiopia*: This project aimed at studying the knowledge of Information technology among all the teachers of the pre-university and the high schools in Ethiopia and also aimed at improving the knowledge of the teachers in the field of computers by giving essential training. This project also aimed at studying and improving the knowledge of the students of the pre-university and high schools and also train them in the various basic subjects related to the Software and the Hardware of computers. The project is about to be finalized.
4. *Barcode Implementation for the Student's Cafeteria of the Engineering Faculty*: Bar codes provide a simple and inexpensive method of encoding text information that is easily read by inexpensive electronic readers. Bar coding also allows data to be collected rapidly and with extreme accuracy. The

research project is to develop application software, which implement the input and output of the bar code to control the activities in the student's cafeteria. The tickers will have computers equipped with this application software and the necessary hardware used to scan the barcodes from the meal-card of the students. The barcode is created by the same software and printed on the ID at the beginning of the semester. The above activities are automated in this research and checked by taking samples in practical. This project is accepted by the University to be sponsored in 2006.

### **STUDENTS ADVISORY** (2010 - present)

- Sustainability Framework for E-government Success: Case of WoredaNet Services in Ethiopia. (**PhD** student at Addis Ababa University)
- Designing an E-Agricultural Framework for Ethiopian Agricultural production. (**PhD** student at Adama University)
- ERP Implementation Framework in Ethiopia. (**MSc** Student at HiLCoE School of Computer Science & Technology)
- Software Requirements Specification and Software Quality Metrics: Quantitative Approach in the Case of Ethiopian. (**MSc** Student at HiLCoE School of Computer Science & Technology)

### **TEACHING EXPERIENCE** (1990 - 1998, 2003 - 2007)

- **Computer Engineering/Science**
  1. Introduction to Computer Architecture
  2. Structural Programming
  3. Object Oriented Programming Languages
  4. Software Engineering
  5. Computer Applications
  6. Operating Systems
  7. Introduction to the Internet
  8. Internet Programming
  9. Software Project Management
  10. Real-time and Embedded Systems
  11. Global Information System
  12. Managing IT Projects, etc
- **Electrical Engineering**

1. Basic Electrical Engineering and Measurements
2. Industrial Electricity
3. Electrical Materials
4. Electrical Machines
5. Generation, Transmission and Distribution of Electrical Energy, etc

## **PROJECT**

- i.) MSC<sup>+</sup> Project: Tool design for extended message sequence charts (MSC+) (ongoing project). The tool that we have developed is not only supports drawing of Message Sequence Charts (MSCs), but also provides visual simulation for observing system traces, verify unwanted scenarios in MSC+ and can also directly convert a MSC+ to an ESTEREL program. The project is a part of my Ph.D. project carried out by the School of Technology and computer Science, Tata Institute of Fundamental Research.
- ii.) MIS Project: This project is to implement an integrated management information system (MIS) for the University of Gondar (UoG) and Bahir Dar University (BDU). This MIS will comprise of a Human Resource Management Information System (HRMIS), Financial Management Information System, Materials Management Information System and Asset Management System. Also to be included is an Executive Information System, which will utilize the data, gathered from the different systems previously mentioned so as to improve decision-making. The project is sponsored by the World Bank under the package of the DIF (Development Innovative Fund) having a 1.24 million Birr budget.
- iii.) E-Learning Project: This project is to establish e-Learning (Electronic-Learning) Center in the Department of Computer Science and Information Computing Technology at Bahir Dar University. The project is also sponsored by the World Bank under the package of the DIF (Development Innovative Fund) having a 1.1 million Birr budget.

## **CONFERENCE/WORKSHOP ORGANIZED**

- International Conference on Electrical & Computer Engineering (ICECE), Bahir Dar, Ethiopia. Organized by the Department of Electrical Engineering, Bahir Dar University, sponsored by Bahir Dar University and Ethiopian Medical, Engineering and Natural Science Society Germany (EMENSSG).

- Workshop Management in Vocational Schools, for technical and vocational school teachers in the Amahara Regional State, Bahir Dar, Ethiopia  
Introduction to Computer, Word-processing, and Programming Languages for the staff members of the Bahir Dar University, Ethiopia.
- Workshop on HTML, Java Script, and Java Programming for the Staffs and students of the Faculty of Engineering, Bahir Dar University, Ethiopia.

### INVITED TALKS (Some)

- (a) Experience Sharing Talk on “Computer Programming; with practical example” to staff members and students in the Universities. This talk is conducted in Bahir Dar University, Arba Minch University, Mekele University, Mekele Institute of Technology on different occasions.
- (b) *Introduction to Message Sequence Charts*, Research Methodology Workshop organized by Engineering Faculty, Bahir Dar University. (May 2003)
- (c) *Message Sequence Charts*, Shri Guru Godind Singhji (SGGS) Collage of Engineering and Technology, Nanded, India, (September 2002).
- (d) *Unified Modelling Languages*, Shri Guru Godind Singhji (SGGS) Collage of Engineering and Technology, Nanded, India, (September 2002).
- (e) *HTML and Java Script*, Engineering Faculty, Bahir Dar University, Ethiopia, (September 2000).
- (f) *Engineering Education in Ethiopia*, School of Education and Professional Development, The University of Huddersfield, UK, (February 1998).

### WORKSHOP AND SEMINAR ATTENDED (Some)

- e-Smart World Africa 2011, ICT Cooperation Forum between African countries and Korea, 4- 6 July 2011, Johannesburg, **South Africa**
- The African eLeadership Workshop Program, 20-23 June 2011, Dar es Salaam, **United Republic of Tanzania**
- Workshop on WSIS +5: Outcomes and Perspectives for Eastern Africa, 21-24 February 2011, **Djibouti**
- 4th International Conference on Theory and Practice of Electronic Governance (ICEGOV2010), 25-28 October 2010, Beijing, **China**
- Seminar, Opportunities and Challenges in E-Government - The Case of Ethiopia, 08 March 2010, UNU-IIST Seminar Room, **Macao, China**
- Africa Digital Opportunity Forum (DOF) 2009, 30<sup>th</sup> -31<sup>st</sup> August 2009, Rabat **Kingdom of Morocco**. The forum is organized by National Information Society Agency (NIA), Korea in collaboration with Kingdom of Morocco on the topic of E-Government.



- The 5<sup>th</sup> Regional Information Communication Technology Support Program (RICTSP) workshop, 8<sup>th</sup> -12<sup>th</sup> March 2009, Merowe Dam, **Sudan**. The workshop is organized by the IGAD and assessed the progress made in the area of ICT in the member countries.
- The Third Annual Internet Governance Forum (IGF 2008), 3<sup>rd</sup> -6<sup>th</sup> December 2008. Almost all UN member states have participated to discuss the internet governance issue in Hyderabad, **India**
- E-Learning workshop, organized by COMESA from 20<sup>th</sup> up to 23<sup>rd</sup> October 2008 at Lusaka, **Zambia**. The workshop contains a Hands-on practice on Moodle platform for developing e-learning packages.
- Local Governance and ICTs Research Network for Africa (LOG-IN Africa) E-Local Governance International Conference, 5<sup>th</sup> – 6<sup>th</sup> June 2008, Cairo, **Egypt**. LOG-IN Africa is a pan-African network of researchers and research institutions from Egypt, Ethiopia, Kenya, Mauritius, Morocco, Mozambique, Senegal, South Africa and Uganda. In this conference the findings of the different researches are introduced.
- African e-Gov Forum 2008, 4<sup>th</sup> – 6<sup>th</sup> March 2008, Kampala, **Uganda**. The second annual African e-Gov Forum was organized by the Commonwealth Telecommunications Organization's (CTO) and hosted by the Ministry of ICT of the Republic of Uganda and the Uganda Communications Commission (UCC).
- NOV@TECH 2008, the ICT Africa Marketplace in East Africa & Indian Ocean (EAIO), 13<sup>th</sup>-15<sup>th</sup> February 2008, Addis Ababa, **Ethiopia**, at United Nations Conference Centre. The conference is organized to facilitate business contacts and to simulate investment and cooperation agreements in the EAIO Region by bringing together African, European & third countries players and decision makers in the sector.
- The World IT Forum (WITFOR) 2007, 22<sup>nd</sup> – 24<sup>th</sup> August 2007, Addis Ababa, **Ethiopia**, at United Nations Conference Centre. The conference, organized by the International Federation for Information Processing (IFIP) in co-operation with its member societies and local governments in developing countries. WITFOR contributes to taking the World Summit on the Information Society's (WSIS) Plan of Action a step forward and to helping developing countries to achieve the UN Millennium Development Goals (MDGs).
- First International Conference on Electrical and Computer Engineering (ICECE 2003), 29<sup>th</sup> October to 1st November 2003, Organized by Electrical Engineering Department, Engineering Faculty, Bahir Dar University, Bahir Dar, **Ethiopia**.

- 3<sup>rd</sup> International Conference on Information Technology, Organized by OITS-Bhubaneswar & KIIT-Bhubaneswar, December 20-23, 2000, Bhubaneswar, India.
- Teaching methodology, Organized by the University of Haddersf\_eld (UK), Engineering Faculty, Bahir Dar University, Bahir Dar, **Ethiopia**.
- Institutional Management, Organized by the University of Haddersfield (UK), Engineering Faculty, Bahir Dar University, Bahir Dar, **Ethiopia**.
- Human Right National and Global Perspective, Organized by University of Mumbai, Bombay, **India**, 2000.

### CONSULTANT/ADVISORY

- Software and Hardware Consultation, Installation and Repair for different governmental and non governmental organization, bureaus, communities, etc. in and around Bahir Dar, Ethiopia.
- Advised a final year Bachelors students of Electrical Engineering Department, Bahir Dar University, Ethiopia.
- Consulted a number of project students from different affiliated collages of Mumbai University, India.

### PUBLICATIONS

#### A. Books

1. *Mesfin Belachew*, Programming Principles: With Practical Examples, published by VDM (Verlag Dr. Mueller), Germany, printed in USA and UK, ISBN 978-3-639-13795-8, published in 2009.

#### B. Journals/Proceedings

1. *Lemma Lessa, Mesfin Belachew, Salehu Anteneh* "Sustainability of E-Government project success: Cases from Ethiopia" submitted Association for Information Systems, AIS Electronic Library (AISeL), AMCIS 2011 Proceedings
2. *Komminist Weldemariam, Amanuel Zewge, Adolfo Villafiorita, Mesfin Belachew* "Have your ICT4D projects really helped the smallholder framers?: Critics, Scenario and Roadmap" submitted to 3rd International ICST Conference on e-Infrastructure and e-Services for Developing Countries, AFRICOMM'11, Zanzibar Islands, **Tanzania**, , 23-24. November 2011
3. *Lemma Lessa, Solomon Negash, Mesfin Belachew* "Lessons Learned from eGovernment implementation: the case of Ethiopia" accepted in 11th

- European Conference on eGovernment (ECEG 2011), Faculty of Administration, University of Ljubljana, Ljubljana, **Slovenia**, 16-17 June 2011
4. *Lemma Lessa, Solomon Negash, Mesfin Belachew* "Determinants of Leadership Commitment in Support of Information Systems Projects: The Case of Selected Institutions in Ethiopia" accepted in the International Conference on Business and Management (ICBM 2011) organized by the Social Sciences Research Society (SoSReS), İzmir, **Turkey** from 15-17 April 2011
  5. *Mesfin Belachew*, E-Government Initiatives in Ethiopia, 4th International Conference on Theory and Practice of Electronic Governance (ICEGOV2010), 25-28 October 2010, Eds. Tomasz Janowski & Jim Davies, ACM International Conference Proceedings Series, ACM Press, ACM ISBN: 978-1-4503-0058-2, pp. 49-53, Beijing, **China**
  6. *Mesfin Belachew, V. N. Joshi and R. K. Shyamasundar*, Designing of Reactive System using Extended Message Sequence Charts, Advances in Computational Engineering & Science, (Alturi, S.N and Brust, F.W. Eds), Tech Science Press, Vol. II, pp. 1574-1579, 2000 (Proceeding ICCES'2K, August 20-25, 2000, Los Angeles, CA, **USA**)
  7. *Mesfin Belachew A. Gandhi, S. Gadhwal and R. K. Shyamasundar*, MSC+: A Generalized Hierarchical Message Sequence Charts, The Third International Conference on Information Technology (CIT2000), Eds. R K Ghosh & Durgamadhab Misra, Tata McGraw-Hill Publishing Company Limited, pp. 183-189, Bhubaneswar, **India**, December 21-23, 2000
  8. *Mesfin Belachew, and R. K. Shyamasundar*, MSC+: From Requirement to Prototyped Systems, Proceeding of the 13th EuroMicro Conference on Real-Time Systems, Ed. A. Denis Williams, IEEE Computer Society, pp. 117-124, Technical University of Delft, Delft, **The Netherlands**, June 13th - 15th, 2001
  9. *Atli Lemma and Mesfin Belachew*, Adaptive Linear Transversal Filter Frequency Domain Equalizer for Telephone Line Using the Widrow LMS Algorithm. Accepted paper in International Conference on Computational Engineering & Sciences (ICES'01), Puerto Vallarta, **Mexico**, August 19-25, 2001
  10. *Mesfin Belachew, and R. K. Shyamasundar*, MSC+: From Requirement to Prototyped Systems, Software and System Modeling (SoSyM) Journal, Springer Verlag, (a full version of what was published in EuroMicro Conference, Delft, **The Netherlands**)

11. *Mesfin Belachew*, Challenges in Verification of Reactive Systems, The 6<sup>th</sup> Annual National Multidisciplinary Conference, 2007, Unity University Collage, Addis Ababa, **Ethiopia**.

### **C. Posters**

12. *Henok Sahilu (Haramaya University Dire Dawa, Ethiopia), Amanuel Zewge (Adama University, Ethiopia), Mesfin Belachew (Ministry of Communication & Information Technology, Ethiopia), Komminist Weldemariam (Fondazione Bruno Kessler)*; Towards Designing an Architecture for Delivering Distributed Agricultural Information Services for Developing Countries; Second Annual Symposium on Computing for Development (ACM DEV 2012); March 11-12, 2012, Atlanta, Georgia, USA

### **D. Technical Reports**

1. *Mesfin Belachew and Ashit Gandhi and Shabaz Gadhwal and R. K. Shyamasundar*, Message Sequence Charts Development Tool (MSC<sup>+</sup>-Tool), Technical Project Report, School of Technology and Computer Science, Tata Institute of Fundamental Research, **India**, 1999
2. *Mesfin Belachew and R. K. Shyamasundar*, Inferring of Unwanted Scenarios in MSC+, Technical Report, School of Technology and Computer Science, TIFR, **India**, 2002

### **E. Miscellaneous Publications**

1. *Mesfin Belachew*, Working on the Computer for Hours can damage your eyesight? Poly Journal , No.6, Page 16-19, January 2000, **Ethiopia**
2. *Mesfin Belachew*, Internet and its Development, Le Dodo Y2K Journal (MSA), Page 9-10, Bombay, **India**
3. *Mesfin Belachew*, Computer Virus and Virus Writers, The Ethiopian Graduation Year Book 2002, Page 10-11, Pune, **India**
4. *Mesfin Belachew*, Ethiopia with Thirteen Months Calender, Le Dodo Y2K Journal (MSA), Page 31, Bombay, **India**
5. *Mesfin Belachew*, Ethiopia, Origion of Humankind, Le Dodo Journal (MSA), December 2001, Page 26-27, Bombay, **India**

## **REFERENCES**

- i. Prof. R.K. Shyamasundar, Professor and Head of the School of Technology and Computer Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Bombay 400 005, Tel: +91 22 215 2971 Ex. 2288, India, Email: shyam@tcs.tifr.res.in
- ii. Dr.-Ing. Mezmur Asressahegn Tesema, Manager of Development, TAE Antriebstechnik GmbH, Am Kappengraben 20, 61273, Wehrheim, Address:

Kartaeuserstr. 22, 61352, Bad Homburg, Tel: 0049-6081- 95130 (off.) 0049-6172-941032 (Home) Email: mezmur@tae-antriebstechnik.de, Germany.

- iii. Dr. Moges Mekonnen , Project Manager, Commerzbank AG, Kaiser Platz, 60261 Frankfurt, Tel: 0049-69-136-43489 (off), 0049-69-50057 730 (Res), 0049-1726827908 (mobile) Email: moges.mekonnen@commerzbank.com (off.) moges\_mekonnen@t-online.de (priv.), Germany
- iv. Fiseha Ketesela, Global Project Manager, Alcatel – Lucent, Alcatel Trade International, Addis Ababa, Ethiopia, Mobile:- +251 (0) 911 25 48 01; Email: fisehak@hotmail.com