



Western Norway
University of
Applied Sciences



HOCHSCHULE
KOBLENZ
UNIVERSITY OF APPLIED SCIENCES

Securing Education through better vision **Conference**

12th – 13th of April 2021

Patandi Teachers' College of Special Needs Education

Arusha, Tanzania

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Arranged together with

Koblenz University of Applied Sciences, Germany

&

Western Norway University of Applied Sciences (HVL), Norway



Program

Monday, 12th of April

Conference leader: John Urio, HVL & Patandi Teachers' College

10.00 Welcome, *Principal Lucian Segesela, Patandi Teachers' College of Special Needs Education*

10.10 SecEd-Project introduction, *Mohamed Mgeni & Alida Kauki*

Chair: Mohamed Mgeni

10.20 Why focusing on children's vision? *Ass. Prof. Gunvor B. Wilhelmsen, HVL, Norway & Prof. Marion, Koblenz University of Applied Sciences, Germany*

10.40 Eye health for learners: The importance of vision screening of learners
Teacher of hearing and vision, Alida Kauki (MD), Patandi Teachers' College of Special Needs Education

11.00 *Coffee break*

11.20 Why teachers need to know about students' vision and eye health.
Quality assurer, vision teacher Deodatha Mrema, Meru district & Vision teacher Maria Mngashwa, Arusha primary school

11.40 Sustainable Development Goal 4: To ensure inclusive and equitable quality education and promote lifelong learning opportunities for all
– How can the SecEd project contribute to realizing this goal?
Ass. Prof. Vibeke Vågnes, HVL, Norway



12.00 *Lunch*

Chair: Alida Kauki

01.00 *pm* The Relevance of Vision for Reading and Learning in other fields of Special Education Needs and Teachers' Education. *Vision teacher, Witness Mungure, Patandi primary school and Vision teacher Victarevina Chrisant, Patandi Teachers' College of Special Needs Education*

01.20 The relevance of vision for reading in other fields of special education needs and teachers' education. *Dr. Wakuru Manini, Patandi Teachers' College of Special Needs Education*



- 01.40 The impact of vision training to kindergarten children's learning in Tanzania: A Case of one Public school in Meru District Council
Vision specialist teacher Lossaru Ngira (MD), Patandi Teachers' College of Special Needs Education
- 02.00 Development of reading skills based on vision activities in primary school
Vision specialist teacher, PhD-candidate John Urio, HVL/Patandi
- 02.20 Assessing teachers' competences in managing learners with vision disturbances in Tanzania primary schools. *Vision specialist teacher Mohamed Mgeni (MD), Patandi Teachers' College of Special Needs Education*
- 02.40 *Coffee break*

Chair: Lucas Kivuyo

- 03.00 Vision problems among standard 1 and standard 5 students – and the effect of visual exercises. *Ass. Prof Gunvor B. Wilhelmsen, HVL, Norway*
- 03.20 Vision improvement through stimulation in primary school. *Teacher of hearing and vision, Alida Kauki (MD), Patandi Teachers' College of Special Needs Education*
- 03.40 Vision challenges and inclusion among Primary School Children in Tanzania. *Vision specialist teacher, Lossaru Ngira (MD), Patandi Teachers' College of Special Needs Education*
- 04.00 Application of new knowledge and skills of vision for reading and learning in primary education. *Dr. Wakuru Manini, Patandi Teachers' College of Special Needs Education*
- 04.20 See you tomorrow (Lucas)

Tuesday, 13th of April

Chair: Rajabu Mtunge

- 10.00 Developing 'vision-for-learning' competencies among teachers in Tanzania – an innovative higher education initiative. *Prof. Marion Felder & Prof. Katrin Schneiders, Koblenz University of Applied sciences, Germany.*



- 10.20 The influence of vision stimulation on learning among children with intellectual disabilities. *Teacher of vision and intellectual impaired, Jacqueline Massawe (MD), Moivaro primary school*
- 10.40 Management of Albino pupils in an inclusive primary school. *Vision specialist teacher Staphord Chalamaganza (MD), Patandi Teachers' College of Special Needs Education*
- 11.00 *Coffee break*
- 11.20 The choice of reading medium to learners with albinism (print or braille). *Vision specialist teacher, project coordinator Lucas N. Kivuyo (MD), Patandi Teachers' College of Special Needs Education*
- 11.40 Assessment of eye movements and selected vision function tests in three pupils with albinism. Consequences for their reading strategies? *Ass. Prof. Gunvor B. Wilhelmsen, HVL, Norway*



- 12.00 *Lunch*

Chair: Staphord Chalamaganza

- 01.00 Technologies Supporting Vision Screening in Children. Why and how? *Prof. Ilona Heldal, HVL, Norway & Ass. Prof. Carsten Helgesen, HVL, Norway*
- 01.20 The need of assessing vision functions and offer vision stimulation for students with Deaf blindness in Tanzania. *Deaf blindness specialist, PhD-candidate Rajabu Mtunge, Patandi Teachers' College of Special Needs Education*
- 01.40 A case-study: How vision competence can be used. *Teacher of vision and intellectual impaired, Xavery Likorosa, Patandi Teachers' College of Special Needs Education*
- 02.00 Implementing vision for reading and learning with old and new curriculum at Patandi. *Vision specialist teacher Mohamed Mgeni (MD), Patandi Teachers' College of Special Needs Education*
- 02.20 Experiences from the SecEd-project. *Vision teacher and Sec-Ed-coordinator, Lucas Kivuyo, Patandi Teachers' College of Special Needs Education*
- 02.40 *Coffee break*



Chair: John Urio

- 03.00 Spreading more knowledge of vision in learning for teachers and teachers educators. *Principal Regina Tungu Lunyonga, Murutunguru Teachers' College*
- 03.20 Solving challenges through the **Learning is visual**-Project (2021-2023) with Courses for teachers in Vision for reading and learning
- *Vision specialist teachers: Mohamed Mgeni & Lucas Kivuyo, Patandi Teachers' College of Special Needs Education*
 - *Director of Curriculum Training, Fika B. Mwakabungu, Tanzania Institute of Education (TIE)*
- 03.40 Solving challenges through the **Learning is visual**-Project (2021-2023) with Master's in special needs education; vision in education
- *Dr. January Basela & Dr. Ignasia Miigo, University of Dodoma*
- 04.00 A safari in learning. *Ass. Prof. Gunvor B. Wilhelmsen, HVL, Norway*
- 04.10 Closing the conference – *Principal Lucian Segesela, Patandi Teachers' College of Special Needs Education*

Thank you!

Articles from the SecEd-project:

- Eide, M. G. et al. (2019). Eye-tracking complementing manual vision screening for detecting oculomotor dysfunction. The 7th IEEE International Conference on E-Health and Bioengineering - EHB 2019 Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, Nov. 21-23. https://www.researchgate.net/profile/Iлона-Heldal/2/publication/338949979_Eyetracking_Complementing_Manual_Vision_Screening_for_Detecting_Oculomotor_Dysfunction/links/5e383d1c299bf1cdb90ad682/Eye-tracking-Complementing-Manual-Vision-Screening-for-Detecting-Oculomotor-Dysfunction.pdf
- Wilhelmsen, G. B. & Felder, M. (2020). Learning is visual: Why teachers need to know about vision. In V. Mpfu (Ed.), Education at the intersection of globalization and technology [Working Title]. 10.5772/intechopen.93546 <https://www.intechopen.com/online-first/learning-is-visual-why-teachers-need-to-know-about-vision>
- Felder, M., Wilhelmsen, G. B. & Scheiders, K. (2021). Developing “Vision-for-Learning” Competencies among Teachers in Tanzania — An Innovative Higher Education Initiative. *Creative Education*, 12, 82-102. ISSN Online: 2151-4771. <https://m.scirp.org/papers/106602>



- Wilhelmsen, G. B., Eide, M. G. & Felder, M. (2021). Assessment of eye movements and selected vision function tests in three pupils with albinism: A case study in Tanzania. *British Journal of Visual Impairment*, 1–9.
<https://doi.org/10.1177/0264619620986855>
- Wilhelmsen, G. B. & Felder, M. (2021). About the importance of vision screening by teachers in schools – a study from Tanzania. *Improving Schools* (accepted for publication, in press).
- Wilhelmsen, G. B. & Felder, M. (2021). Structured visual learning and stimulation in school – an intervention study. *Creative Education* (accepted for publication, in press).

Masterworks from the SecEd-project:

- Alida S. Kauki, (2021). *Assessing Vision Improvement Through Stimulation: An Experiment to Standard Seven students in Arusha Municipal, Tanzania*. Arusha: Open University (in work).
- Jacqueline Massawe (2020). *The influence of vision stimulation on learning among children with intellectual disabilities*. Tumaini University Makumira.
- Lossaru N. Lossarunye (2020). *Management of Kindergarten Children's learning through vision elements stimulation in Tanzania a Case of Meru District Council*. Tumaini University Makumira.
- Lucas K. Naiman (2021). *The Effectiveness of Reading Medium to Pupils with Albinism: A Comparative Study between Print and Braille Medium Use in Inclusive Primary Schools in Lushoto District and Tanga City Council in Tanga Region*. The University of Arusha (in work).
- Mohamed M. Mgeni (2020). *Assessing Teachers' Competences in Managing Learners Vision Disturbances in Tanzania Primary Schools*. Tumaini University Makumira.
- Staphord (2020). *Management of Albino pupils in an inclusive primary school*. Tumaini University Makumira.

PhD-works from the SecEd-project:

- Gaetan Mlollele (2018 – in work) at Moshi: Mwenge Catholic University, Tanzania.
- John Z. Urio (2019- in work). *Developing Reading Skills based on Vision Activities in Primary Schools in Tanzania*. Bergen: Western Norway University of Applied Sciences.

Research and dissemination from the SecEd-project (Christin.no):

<https://app.cristin.no/projects/show.jsf?id=529569>

Project presentations:

Visjon 2030: <https://www.vision2030.no/index.php/en/visjon2030-projects/securing-education-for-children-in-tanzania>

Securing Education for Children in Tanzania (blogg): <https://blogg.hvl.no/seced/>