

# CIRRICULUM VITAE

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**BIRTH DATE & PLACE** 06 September 1982  
Ulaanbaater City, MONGOLIA

**EDUCATION**

<i>Physics and information technology of Master of Sciences (computer hardware servicing and power-on self-test (POST))</i>	<i>Mongolian state university of education</i>	2007
<i>Physicist, Information technologist the degree of Bachelor of Science</i>	<i>Mongolian state university of education</i>	2005
<i>High School Certificate e-learning</i>	<i>Bayankhongor 2-p high school</i>	2000

**TEACHING COURSES & RESEARCH INTERESTS**

<i>Senior teacher</i>	<i>School of Information and Telecommunication Technology, MUST</i>	2019
<i>Researcher &amp; Lecturer</i>	<i>Open Educational Center, MUST Virtual Technology Department of the E-Open Institute (EOI) at MUST</i>	2019-2019 2014-2019
<i>Lecturer</i>	<i>School of Power Engineering as in the electronic systems department of the Mongolian University of Science and Technology</i>	2008-2014
<i>IT engineer</i>	<i>Press institute</i>	2007-2008
<i>Laboratory Supervisor of "computer and optic"</i>	<i>Mongolian state university of education</i>	2005-2007

**RESEARCH & DEVELOPMENT ACHIEVEMENTS**

- BOOK CHAPTERS**
1. R.Bazarsuren, B.Batshagai "Computer hardware services" handbook Masterline Printing 2007
  2. B.Batshagai "Operating System Theory" Laboratory works Masterline Printing, 2012
  3. G.Urtnasan, B.Batshagai, M.Tungalag "Computer fundamentals-1" handbook Masterline Printing 2011
  4. T.Uranchimeg, B.batshagai, A.Tuvshinbayar "Upgrading and Repairing Computer" Laboratory works Nombest printing 2013
  5. Kh.Sarangerel, G.Urtnasan, B. Batshagai D.Bayarmaa "Laboratory handbook (modul 5,6,7)" 2013 OH ISBN 9789996289492

6. Kh.Sarangerel, G.Urtnasan, B. Batshagai D.Bayarmaa “Computer fundamentals-1-2” Laboratory works Nombest printing 2014
7. R.Tutbat, J.Alimaa,G.Urtnasan, B.Munkhchimeg,B.Batshagai,N.Saranchimeg, D. Tsogtbayar, P.Enkhtaivan, D.Enkhbaatar, B.Purev, G.Erdenechimeg, Ch.Ganbaatar, M.Ulzii-Oshikh, A.Tuvshinbayar “Information technology”2015 Nombest printing
8. R.Tutbat, J.Alimaa,G.Urtnasan, B.Munkhchimeg,B.Batshagai,N.Saranchimeg, D. Tsogtbayar, P.Enkhtaivan, D.Enkhbaatar, B.Purev, G.Erdenechimeg, Ch.Ganbaatar, M.Ulzii-Oshikh, A.Tuvshinbayar “Information technology” Laboratory works 2015 Nombest printing
9. B.Batshagai “Game development 2” ” Laboratory works Nombest printing 2024

## CONFERENCE PAPERS AND PRESENTATIONS

1. T. Uranchimeg, B.Batshagai, A.Tyvshinbayar: **Research and usage of virtual laboratory in teaching**. Proceedings of ‘International conference of 50th anniversary of Power Engineering School of MUST’, Ulaanbaatar 2010, pp26-31.
2. T.Uranchimeg, B.Batshagai, B.Tsogtsaikhan “Problems apparent in digital training technology” *Science paper Informatics 2010* pp 138-143
3. T.Uranchimeg, A.Yumchmaa, B.Batshagai, M.Tungalag, B.Tsogtsaikhan “Training based on technological development, virtual laboratory and engineering education” *Informatics 2011* pp130-141 ISBN99924-805-4-0
4. T.Uranchimeg, B.Batshagai “Improving Teachers’ Performance with Life-time Education” *Guide of the Mind international conference 2011* pp113-115 Admon printing
5. B.Khurelbaatar, B.Batshagai “Automation methodologies of accounting data” *Development of Technology Technological and technological development conference 2011* pp 103-107
6. B.Batshagai “Informatics becoming the basis for digital training” *Technological and technological development conference 2011* pp 44-48
7. B.Batshagai T.Uranchimeg, **Research on the e-tools for tutors of distance learning**. In Proceedings of the MTT 2014 – Embedded systems and applications, May 8-9, 2014, Ulaanbaatar, Mongolia, pp. 31-34. ISBN 978-99973-46-74-2. (In Mongolian)
8. T.Uranchimeg, A.Yumchmaa and B.Batshagai **The Virtual Laboratories Case Study in Traditional Teaching and E-Learning for Engineering Sciences**. In Proceedings of 2014 7th International Conference on Ubi-Media Computing and Workshops U-MEDIA 2014, IEEE Computer Society, July 12-14, 2014, Ulaanbaatar, Mongolia, pp. 281-286. ISBN-13:978-1-4799-4266-4.
9. B.Batshagai “Using VR in E-learning environment ”, *E-OI, MUST, Information & Media Technology IMT 2015 International Online Conference, 4/16/2015*
10. T. Uranchimeg, B. Batshagai “Virtual laboratory development for engineering education” *Informatics 2011* -2015
11. B.Batshagai T.Uranchimeg “An opportunity to develop an electronic environment for engineering education” *CDIO International Conference 2016* ISBN978-99962-50-52-1

12. B.Batshagai, "Application potential of Virtual Reality in Teaching through Digital Training medium", E-OI, MUST, Information & Media Technology IMT 2016 International Online Conference, ISBN978-99973-57-60-7
13. "3D image processing segmentation method study" E-OI, MUST, Information & Media Technology IMT 2018 International Online Conference, May 18, 2018, Ulaanbaatar, ISBN 978-99978-57-51-4
14. B.Batshagai, B.Purevjal "Use of e-Learning tools" open education conference 2018 ISBN 978-99973-0-845-0
15. B.Batshagai "Developing a software for students in accounting" Information & Media Technology IMT 2018 International Online Conference, May 18, 2016, Ulaanbaatar, pp52-56 ISBN 978-99978-57-51-4
16. B.Batshagai "Technology of Electronic learning virtual instruments and laboratories" Problems in engineering and technology education-V 2019 ISBN 978-99978-57-79-8
17. B. Batshagai "Technology of development of e-Learning tools virtual applications and laboratories" Problems in engineering and technology education - v 2019.
18. B. Batshagai " e-Learning tools,Virtual application laboratory development" Higher education 2020
19. B. Batshagai "Technology for the development of e-Learning tools virtual applications and the possibility of creating a virtual reality environment" Electronic Nation" 2021
20. B. Batshagai, T. Uranchimeg "DEVELOPMENT OF VIRTUAL REALITY LABORATORY" MMT 2022
21. B. Batshagai "Usage of 360 photos and videos and virtual tour" MMT 2023

#### VIRTUAL LABORATORY

1. M.EC308 Computer maintenance services laboratory (modul 1 2013)
2. A.SC243 Virtual Laboratory of Materials Construction (modul 1 2012)
3. H.HD212 Virtual Laboratory of Thermal Heat supply and Heating Network(modul 1 2012)

#### PATENTS AND COPYRIGHT CERTIFICATES

22. D.Avirmed, B.Batshagai, B.Altanerdene, Khurelbaatar (Online practice accounting program "AXA") №9454 2018
23. T.Uranchimeg, B.batshagai,A.Tuvshinbayar (Virtual laboratory "ET4T")№2010/094 2010

#### QUALIFICATIONS & SKILLS INTERESTS & HOBBIES AWARDS

Microsoft Office, Adobe master collection, AutoCAD, Unreal engine, Matlab

Techniques, paintings

Director's Award 2010  
Rector Award 2015