

From: ED-MEDIA 2012 <conf@aace.org>
To: seugnet.blignaut@nwu.ac.za
Date: 2012/01/16 10:25 PM
Subject: EdMedia 2012 Acceptance: Full Paper: Conceptual & Empirical Study.
Register/Cornfirm by May 2, 2012

Dear Seugnet Blignaut:

Thank you for your submission to EdMedia 2012: World Conference on Educational Media and Technology to be held in Denver, Colorado, USA, June 26-29, 2012. <http://aace.org/conf/edmedia/>

We are pleased to inform you that the Program Committee of EdMedia 2012: World Conference on Educational Media and Technology, after rigorous peer review, has decided to ACCEPT your submission for presentation. (Review Policy: <http://aace.org/reviewpolicy.htm>)

Please note that the reviewers may have recommended and, therefore, accepted your proposal under a different presentation category. Reviewers of your submission may have written author comments to offer recommendations on how your submission can be modified or improved. If provided, these comments appear at the end of this e-mail.

Paper ID: 36124

Title: Computer Literacy Learning Emotions of ODL Teacher-Students

>> Accepted as: Full Paper: Conceptual & Empirical Study <<

(submitted as: Full Paper: Conceptual & Empirical Study)

Presentation Category information: <http://aace.org/conf/edmedia/categories.htm>

Maximum Proceedings pages: 10

To enable you to begin making early plans for your trip and registration, see the following information at: <http://www.aace.org/conf/edmedia/>

- Advance Program/Registration:
<http://aace.org/conf/edmedia/advprog.htm>
- Registrations Rates: <http://aace.org/conf/edmedia/rates.htm>
- Hotel & travel information: <http://aace.org/conf/edmedia/hotel.htm>
(RESERVE YOUR HOTEL EARLY AS ROOMS MAY BE LIMITED.)
- Proceedings Preparation Guidelines:
<http://aace.org/conf/edmedia/procguide.htm>
- Presenter Lounge offering presenter guidelines for all presentation types
<http://aace.org/conf/edmedia/presenterlounge/>

*** IMPORTANT PRESENTER DATE: May 2, 2012: *** (See Details below.)

- Register & Confirm at Least One Author
- Upload Proceedings File
- Review Presentation Information for Final Program

See Details below.

Accessing Your Submission:

You may access your submission, make author changes, and upload your proceedings paper by following these steps:

1. Go to <http://aace.org/conf/edmedia/submission>
2. Logon using: seugnet.blignaut@nwu.ac.za

3. Select menu item, "Edit Previous Submission"

AND

If you need an acceptance letter on letterhead, yours is available on this website from menu item: "Acceptance Letter on Letterhead."

By May 2, 2012: Register & Confirm at Least One Author

Advance Program/Registration
<http://aace.org/conf/edmedia/advprog.htm>

You must confirm you will give your presentation by having at least one author register and pay the registration fee by this date.

* The actual funds for your method of payment indicated such as check, bank wire, and purchase order MUST be received by the conference office by May 2, 2012. *

When you register online, choose the papers you will present from the list on the registration form. If you do not see a listing of the papers you have submitted, make sure that you are logged in with this e-mail address; otherwise, your papers will not be displayed:

seugnet.bignaut@nwu.ac.za

If we do not receive your registration payment and confirmation via the registration form by this date, your presentation cannot be included in the Final Program or the Proceedings. Other authors may register later.

By May 2, 2012: Upload Proceedings File

Maximum Proceedings pages: 10 (if 0 pages, then uploading file is not necessary; however, abstract will be published in Abstracts book.)

Guidelines: <http://aace.org/conf/edmedia/procguide.htm>

All proceedings files MUST be received by this date. The last file you upload will be used as your published proceedings paper. You may check the latest file by clicking on "View Proposal/Proceedings File" via Your Paper Access URL above.

By May 2, 2012: Review Presentation Information for Final Program

Please review and change, if necessary the following information for publication in the Final Program:

- Presentation title
- Abstract (in abstract text box)*
- Author names and organizations
- Author order
- Contact person

* The Abstract in the text box displayed on your Paper Information webpage will be published 'as is' in the Conference Abstract book. Please be sure you have pasted your Abstract into this text box.

Visa Information:

If you need Visa information, please see the AACE website for help at: <http://aace.org/conf/visa/>

Thank you in advance for your contribution toward the success of EdMedia 2012. We look forward to welcoming you to Denver, Colorado, USA; June 26-29, 2012.

For the Program Committee,

Best regards,
Gary Marks, Ph.D.
AACE Executive Director & Founder

Comments to the Author (if available):

----- Well done on an excellent paper! You have made a significant contribution to our understanding of an important and under-researched area. The findings section is good mental exercise(!) but well worth the effort.

The topic is interesting and different than the similar research. However, I would ask whether it was necessary to quantizing the qualitative data. The aim for this is vague. When investigating the affective human experiences, it may only need to work qualitatively in order to understand feelings, emotions and values in detail. Moreover, it would be more precise to provide more detailed discussion on qualitative results than quantitative. Also, I kindly suggest not using abbreviations in abstract

The paper does not fully explain how the data was gathered or the justification for the adoption of methodology of fully Mixed Sequential Equal Status- a number of grammatical errors need to be correct

Ed/IT Digital Library

Computer Literacy Learning Emotions of ODL Teacher-Students



Awarded
Paper

Esterhuizen, H.D., Blignaut, A.S., Els, C.J. & Ellis, S.M. (2012). Computer Literacy Learning Emotions of ODL Teacher-Students. In T. Amiel & B. Wilson (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2012* (pp. 586-595). Chesapeake, VA: AACE.
Retrieved from <http://www.editlib.org/p/40805>.

[OpenURL Link](#)

Conference Information



World Conference on Educational Multimedia, Hypermedia and Telecommunications (EDMEDIA) 2012
Denver, Colorado, USA
June 26, 2012
ISBN 1-880094-95-9
Tel Amiel & Brent Wilson
AACE

[More Information on EDMEDIA](#)

Authors

Hendrik D Esterhuizen, A Seugnet Blignaut, Christo J Els, Suria M Ellis, North-West University, South Africa

Abstract

This paper addresses the affective human experiences in terms of the emotions of South African teacher-students while attaining computer competencies for teaching and learning, and for ODL. The full mixed method study investigated how computers contribute towards affective experiences of disadvantaged teacher-students. The purposive sample related to a criterion-based selection of N=339 teacher students attending supplementary computer literacy training which not only entailed the attainment of pedagogical knowledge and skills, but also of basic computer literacy skills for teaching and learning. Affective coding methods investigated subjective qualities of human experience. Qualitative emotion coding identified n = 31 emotion codes that categorized n = 1235 instances of computer literacy learning emotions. Quantitized qualitative data were used to quantitatively prove the validity of n = 29 emotion codes, before trustworthy qualitative discussion of findings were reported. A two dimensional Model for Computer Literacy Learning Emotions was developed from the cumulative results.



ODL LearningTechnologies <nwuscte@gmail.com>

Fwd: Your EdMedia 2012 Paper Award Notification

11 messages

Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>

Thu, Jun 21, 2012 at 7:07 AM

Reply-To: Hennie.Esterhuizen@nwu.ac.za

To: NWUSCTE@gmail.com

----- Forwarded message -----

From: "Seugnet Blignaut" <Seugnet.Blignaut@nwu.ac.za>

To: "Hennie Esterhuizen" <h.d.esterhuizen@gmail.com>, "Hennie Esterhuizen" <Hennie.Esterhuizen@nwu.ac.za>

Cc:

Date: Thu, 21 Jun 2012 07:07:19 +0200

Subject: Fwd: Your EdMedia 2012 Paper Award Notification

Vrywaringsklousule / Disclaimer: <http://www.nwu.ac.za/it/gov-man/disclaimer.html>

>>> EdMedia 2012 <conf@ace.org> 06/20/12 21:32 >>>

Dear Seugnet Blignaut:

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Please inform your co-authors, if appropriate.

Your paper will be indicated as an award winner in the Final Program, and we will ensure that your presentation is assigned a larger than average room.

Presentation: "Computer Literacy Learning Emotions of ODL Teacher-Students" [36124]

>> Accepted as: Full Paper: Conceptual & Empirical Study <<

Date: Wed, Jun 27

Time: 10:30 AM-11:00 AM

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For the Program Chairs,

Best regards,
Gary Marks

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AAACE--Association for the Advancement of Computing in Education
P.O. Box 1545
Chesapeake, Virginia 23327
E-mail: GMarks@ace.org * www.AACE.org

Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>
Reply-To: Hennie.Esterhuizen@nwu.ac.za
To: NWUSCTE@gmail.com

Thu, Jun 21, 2012 at 8:08 AM

----- Forwarded message -----

From: "Hennie Esterhuizen" <21466386@nwu.ac.za>
To: "Seugnet Blignaut" <Seugnet.Blignaut@nwu.ac.za>
Cc:
Date: Thu, 21 Jun 2012 08:08:53 +0200
Subject: Re: Fwd: Your EdMedia 2012 Paper Award Notification

Dankie!

Vrywaringsklousule / Disclaimer: <http://www.nwu.ac.za/it/gov-man/disclaimer.html>

>>> "Seugnet Blignaut" <Seugnet.Blignaut@nwu.ac.za> 06/21/12 07:07 AM >>>

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Chesapeake, Virginia 23327
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Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>
Reply-To: Hennie.Esterhuizen@nwu.ac.za
To: NWUSCTE@gmail.com

Thu, Jun 21, 2012 at 8:09 AM

----- Forwarded message -----

From: "Hennie Esterhuizen" <21466386@nwu.ac.za>
To: <elsa.esterhuizen@gmail.com>, "Elsa Esterhuizen" <23315180@nwu.ac.za>
Cc:
Date: Thu, 21 Jun 2012 08:09:37 +0200
Subject: Fwd: Your EdMedia 2012 Paper Award Notification

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>>> "Seugnet Blignaut" <Seugnet.Blignaut@nwu.ac.za> 06/21/12 07:07 AM >>>

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Chesapeake, Virginia 23327
E-mail: GMarks@ace.org * www.AACE.org

Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>

Thu, Jun 21, 2012 at 8:14 AM

Reply-To: Hennie.Esterhuizen@nwu.ac.za

To: NWUSCTE@gmail.com

----- Forwarded message -----

From: "Seugnet Blignaut" <Seugnet.Blignaut@nwu.ac.za>
To: "Hennie Esterhuizen" <Hennie.Esterhuizen@nwu.ac.za>
Cc:
Date: Thu, 21 Jun 2012 08:14:09 +0200
Subject: Re: Fwd: Your EdMedia 2012 Paper Award Notification

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>>> Suria Ellis 06/21/12 08:05 >>>

Baie geluk!! Julle is voorwaar 'n lekker span om mee saam te werk!

Lekker dag verder,
Suria

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>>> Seugnet Blignaut 2012/06/21 07:10 AM >>>

Suria

Ons paper, nogal, oor die emotions!! Baie dankie ook vir jou harde werk daaraan.

Groete
Seugnet

Vrywaringsklousule / Disclaimer: <http://www.nwu.ac.za/it/gov-man/disclaimer.html>

>>> EdMedia 2012 <conf@iace.org> 06/20/12 21:32 >>>

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Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>
Reply-To: Hennie.Esterhuizen@nwu.ac.za
To: NWUSCTE@gmail.com

Thu, Jun 21, 2012 at 8:15 AM

----- Forwarded message -----

From: "Hennie Esterhuizen" <21466386@nwu.ac.za>
To: janniedb@mweb.co.za
Cc:
Date: Thu, 21 Jun 2012 08:15:14 +0200
Subject: Fwd: Your EdMedia 2012 Paper Award Notification

Dag swaer


Jy onthou nog die gesprekke wat ek en jy gehad het oor die kwalitatiewe navorsing artikel oor emosies van onderwysstudente?

Wel, dit is hoe vêr ons gekom het daarmee

Wat sê jy van my prof?

Hennie

-

<p>Hennie Esterhuizen Bestuurder: E-Leer Skool vir Voortgesette Onderwysersopleiding (SVO) Fakulteit Opvoedingswetenskappe Noordwes Universiteit Potchefstroomkampus Privaatsak X6003 Potchefstroom 2520 Suid-Afrika</p> <p>Hennie.Esterhuizen@nwu.ac.za Tel: 018 299 2144 Faks : 018 299 4558 http://www.nwu.ac.za</p>	 <p>NORTH-WEST UNIVERSITY YUNIBESITI YA BOKONE-BOPHIRIMA NOORDWES-UNIVERSITEIT</p>	<p>Hennie Esterhuizen Manager: E-Learning School of Continuing Teacher Education (SCTE) Faculty of Education Sciences North-West University Potchefstroom Campus Private Bag X6003 Potchefstroom 2520 South Africa</p> <p>Hennie.Esterhuizen@nwu.ac.za Tel: 018 299 2144 Fax : 018 299 4558 http://www.nwu.ac.za</p>
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Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>

Thu, Jun 21, 2012 at 8:20 AM

Reply-To: Hennie.Esterhuizen@nwu.ac.za

To: NWUSCTE@gmail.com

----- Forwarded message -----

From: "Hennie Esterhuizen" <21466386@nwu.ac.za>
 To: AylwardRC@tut.ac.za, LouwH@tut.ac.za, NelHJ@tut.ac.za
 Cc:
 Date: Thu, 21 Jun 2012 08:20:59 +0200
 Subject: Fwd: Your EdMedia 2012 Paper Award Notification


Groetnis

Een van die artikels wat deel uitmaak van my studie. Ek is mede-outeur

Wel, dit is hoe vêr ons gekom het daarmee...

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Hennie

<p>Hennie Esterhuizen Bestuurder: E-Leer Skool vir Voortgesette Onderwysersopleiding (SVO) Fakulteit Opvoedingswetenskappe Noordwes Universiteit Potchefstroomkampus Privaatsak X6003 Potchefstroom 2520 Suid-Afrika</p> <p>Hennie.Esterhuizen@nwu.ac.za Tel: 018 299 2144 Faks : 018 299 4558 http://www.nwu.ac.za</p>	 <p>NORTH-WEST UNIVERSITY YUNIBESITI YA BOKONE-BOPHIRIMA NOORDWES-UNIVERSITEIT</p>	<p>Hennie Esterhuizen Manager: E-Learning School of Continuing Teacher Education (SCTE) Faculty of Education Sciences North-West University Potchefstroom Campus Private Bag X6003 Potchefstroom 2520 South Africa</p> <p>Hennie.Esterhuizen@nwu.ac.za Tel: 018 299 2144 Fax : 018 299 4558 http://www.nwu.ac.za</p>
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E-mail: GMarks@ace.org * www.AACE.org

Groetnis

Hennie

Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>

Thu, Jun 21, 2012 at 9:21 AM

Reply-To: Hennie.Esterhuizen@nwu.ac.za

To: NWUSCTE@gmail.com

----- Forwarded message -----

From: Hans Nel <NelHJ@tut.ac.za>

To: Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>

Cc:

Date: Thu, 21 Jun 2012 07:21:10 +0000

Subject: RE: Your EdMedia 2012 Paper Award Notification

Hennie ek het nog nooit in jou kundigheid getwyfel nie – jy kan van enige iets ‘n sukses maak , jy kan selfs medies gaan swot as jy klaar is met jou PhD. Ek mis jou hier by Elektronika , dit is net nie dieselfde.

Groete

Hans

From: Hennie Esterhuizen [mailto:Hennie.Esterhuizen@nwu.ac.za]

Sent: 21 June 2012 08:21 AM

To: Ronny Aylward; Hannes Louw; Hans Nel

Subject: Fwd: Your EdMedia 2012 Paper Award Notification

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Hennie

Hennie Esterhuizen

Bestuurder: E-Leer
Skool vir Voortgesette
Onderwysersopleiding (SVO)
Fakulteit
Opvoedingswetenskappe
Noordwes Universiteit
Potchefstroomkampus
Privaatsak X6003
Potchefstroom 2520
Suid-Afrika

Hennie.Esterhuizen@nwu.ac.za

Tel: 018 299 2144

Faks : 018 299 4558



NORTH-WEST UNIVERSITY
YUNIBESITI YA BOKONE-BOPHIRIMA
NOORDWES-UNIVERSITEIT

Hennie Esterhuizen

Manager: E-Learning
School of Continuing Teacher
Education (SCTE)
Faculty of Education Sciences
North-West University
Potchefstroom Campus
Private Bag X6003
Potchefstroom 2520
South Africa

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<http://www.nwu.ac.za>

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Groetnis

Hennie

Tshwane University of Technology

This email is sent and received in terms of the Electronic Communications Policy of Tshwane University of Technology. In line with this policy, this email is private, privileged and confidential. The full text of the Electronic Mail Disclaimer can be seen on the TUT web site at <http://www.tut.ac.za/Other/disclaimer/Pages/default.aspx> or obtained by phoning (012) 382-5911

Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>
Reply-To: Hennie.Esterhuizen@nwu.ac.za
To: NWUSCTE@gmail.com

Thu, Jun 21, 2012 at 9:54 AM

----- Forwarded message -----

From: "Jannie J de Beer" <janniedb@mweb.co.za>
To: "Hennie.Esterhuizen" <Hennie.Esterhuizen@nwu.ac.za>
Cc:
Date: Thu, 21 Jun 2012 09:54:11 +0200
Subject: Re: Fwd: Your EdMedia 2012 Paper Award Notification
Ja Boet

Onthou nog goed.

Dis 'n skitterende prestasie! Sê vir haar baie geluk – mag dit vir jou ook tot inspirasie dien...

Is jy 'n mede-outeur?

Groentes.

Dr Jannie J de Beer

BSc (Hons) (Pret), DEd (SA), PhD (BU), HCED (Pret)

Psigopedoloog & Psychopaedologist

(012 333 8541 7 086 513 9082 È 083 413 4003

janniedb@mweb.co.za ² ZR6PHD

-----Original Message-----

From: Hennie Esterhuizen
Date: 2012/06/21 08:15:16 AM
To: janniedb@mweb.co.za
Subject: Fwd: Your EdMedia 2012 Paper Award Notification

Dag swaer


Jy onthou nog die gesprekke wat ek en jy gehad het oor die kwalitatiewe navorsing artikel oor emosies van onderwysstudente?

Wel, dit is hoe vêr ons gekom het daarmee

Wat sê jy van my prof?

Hennie

-

<p>Hennie Esterhuizen Bestuurder: E-Leer Skool vir Voortgesette Onderwysersopleiding (SVO) Fakulteit Opvoedingswetenskappe Noordwes Universiteit Potchefstroomkampus Privaatsak X6003 Potchefstroom 2520 Suid-Afrika</p> <p>Hennie.Esterhuizen@nwu.ac.za Tel: 018 299 2144 Faks : 018 299 4558 http://www.nwu.ac.za</p>	 <p>NORTH-WEST UNIVERSITY YUNIBESITI YA BOKONE-BOPHIRIMA NOORDWES-UNIVERSITEIT</p>	<p>Hennie Esterhuizen Manager: E-Learning School of Continuing Teacher Education (SCTE) Faculty of Education Sciences North-West University Potchefstroom Campus Private Bag X6003 Potchefstroom 2520 South Africa</p> <p>Hennie.Esterhuizen@nwu.ac.za Tel: 018 299 2144 Fax : 018 299 4558 http://www.nwu.ac.za</p>
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>>> EdMedia 2012 <conf@ace.org> 06/20/12 21:32 >>>

Dear Seugnet BIGNAUT:

I am pleased to inform you that, after rigorous review by the EdMedia 2012 Program Committee and Program Chairs, your paper, "Computer Literacy Learning Emotions of ODL Teacher-Students," has been selected to receive an Outstanding Paper Award!

Please inform your co-authors, if appropriate.

Your paper will be indicated as an award winner in the Final Program, and we will ensure

that your presentation is assigned a larger than average room.

Presentation: "Computer Literacy Learning Emotions of ODL Teacher-Students" [36124]

>> Accepted as: Full Paper: Conceptual & Empirical Study <<

Date: Wed, Jun 27

Time: 10:30 AM-11:00 AM

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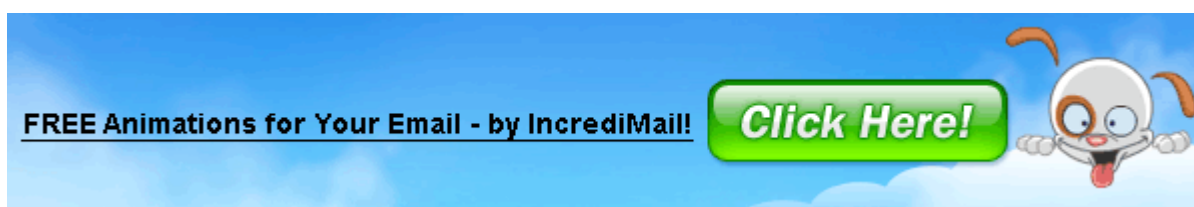
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For the Program Chairs,

Best regards,
Gary Marks

Gary H. Marks, Ph.D.; Executive Director & Founder
AACE--Association for the Advancement of Computing in Education
P.O. Box 1545
Chesapeake, Virginia 23327
E-mail: GMarks@ace.org * www.AACE.org



Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>
Reply-To: Hennie.Esterhuizen@nwu.ac.za
To: NWUSCTE@gmail.com

Thu, Jun 21, 2012 at 11:27 AM

----- Forwarded message -----

From: "Hennie Esterhuizen" <21466386@nwu.ac.za>

To: <janniedb@mweb.co.za>
Cc:
Date: Thu, 21 Jun 2012 11:27:17 +0200
Subject: Re: Fwd: Your EdMedia 2012 Paper Award Notification
Hier is hy...

Dit is nie vir verspreiding nie

Hennie

>>> "Jannie J de Beer" 06/21/12 9:54 AM >>>
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Computer Literacy Learning Emotions of ODL Teacher-Students.pdf

171K

Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>

Thu, Jun 21, 2012 at 11:52 AM

Reply-To: Hennie.Esterhuizen@nwu.ac.za

To: NWUSCTE@gmail.com

----- Forwarded message -----

From: "Hennie Esterhuizen" <21466386@nwu.ac.za>

To: "Christo Els" <10856803@nwu.ac.za>

Cc:

Date: Thu, 21 Jun 2012 11:52:50 +0200

Subject: Re: Fwd: Your EdMedia 2012 Paper Award Notification

Hennie Esterhuizen

Bestuurder: E-Leer
Skool vir Voortgesette
Onderwysersopleiding (SVO)
Fakulteit
Opvoedingswetenskappe
Noordwes Universiteit
Potchefstroomkampus
Privaatsak X6003



NORTH-WEST UNIVERSITY
YUNIBESITI YA BOKONE-BOPHIRIMA
NOORDWES-UNIVERSITEIT

Hennie Esterhuizen

Manager: E-Learning
School of Continuing Teacher
Education (SCTE)
Faculty of Education Sciences
North-West University
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Private Bag X6003
Potchefstroom 2520

Potchefstroom 2520 Suid-Afrika Hennie.Esterhuizen@nwu.ac.za Tel: 018 299 2144 Faks : 018 299 4558 http://www.nwu.ac.za		South Africa Hennie.Esterhuizen@nwu.ac.za Tel: 018 299 2144 Fax : 018 299 4558 http://www.nwu.ac.za
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>>> Hennie Esterhuizen 06/21/12 11:27 AM >>>

Hier is hy...

Dit is nie vir verspreiding nie

Hennie

>>> "Jannie J de Beer" 06/21/12 9:54 AM >>>

Christo,

Hier is hy

Weereens baie dankie vir jou hulp. Die volgende een is amper klaar.

Hennie

>>> EdMedia 2012 <conf@iace.org> 06/20/12 21:32 >>>

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 **Computer Literacy Learning Emotions of ODL Teacher-Students.pdf**
171K

Hennie Esterhuizen <Hennie.Esterhuizen@nwu.ac.za>
Reply-To: Hennie.Esterhuizen@nwu.ac.za
To: NWUSCTE@gmail.com

Fri, Jun 22, 2012 at 11:01 AM

----- Forwarded message -----

From: "Elsa Esterhuizen" <23315180@nwu.ac.za>
To: "Hennie Esterhuizen" <21466386@nwu.ac.za>
Cc:
Date: Fri, 22 Jun 2012 11:01:57 +0200
Subject: Re: Fwd: Your EdMedia 2012 Paper Award Notification
Ongeloflik! Baie geluk vir julle almal - maak seker dat jou sertifikaat ook in jkou boek beland!

xxxxxxxxxxxxxxxxxxxxx

>>> Hennie Esterhuizen 06/21/12 8:09 AM >>>

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>>> "Seugnet Blignaut" <Seugnet.Blignaut@nwu.ac.za> 06/21/12 07:07 AM >>>

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OUTSTANDING PAPER AWARD

Computer Literacy Learning Emotions of ODL Teacher-Students

Hendrik D. Esterhuizen, North-West University, South Africa

A. Seugnet Blignaut, North-West University, South Africa

Christo J. Els, North-West University, South Africa

Suria M. Ellis, North-West University, South Africa



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Computer literacy Learning Emotions of ODL Teacher-Students

Hennie Esterhuizen, Seugnet Blignaut,
Christo Els & Suria Ellis

Literature on Affective Learning

- Emotion, mood, attitude and value about first ICT encounters (Jones 2010:2)
- Influence the user's motivation (Chang 2005)
- Feelings a normal part of learning (Kort, Reilly & Picard 2001, 43)
- Impact directly on willingness to participate (Jones & Issroff 2005)
- Emotions of adults who use learning technologies range from excitement, fear and lack of confidence (Anderson, 1996)

Literature on Affective Learning

- Vast, but largely untapped research area (MIT Media Lab, 2011)
- Influence uncertain in developing communities
- Trust in technology and facilitators provide solid base for adoption (Lippert & Davis 2006)

- Gap from literature
 - Dynamic model needed for affective attainment of ICT literacy skills to provide understanding of learning experiences of developing learners in ODL environment

Affective Computing

- ICT contribute towards “ideal” learning environments
 - learning styles of students
 - reform of traditional learning structures
- Affective experiences of people effect the learning of essential skills while using computers
- Paper about the affective experiences of developing learners about to experience their first TEL environment
- Affective experiences can cause separation
 - teachers and students; students and students

Affective Learning

- Three domains of learning
 - cognitive learning (knowing)
 - psychomotor learning (doing)
 - affective learning (feeling)
- Affective domain deals with things emotional
 - feelings, values, appreciation, positive attitudes
- Learning enhanced through emotions contributing to high esteem and low anxiety
- Learning with / from computers influenced by learners perception on usefulness of computers
 - TAM model

Context of the Research

- School of Continuing Teacher Education
- North-West University, Potchefstroom Campus
- 30 000 in-service teacher-students
 - National Diploma in Education (NPDE)
 - Advance Certificate in Education
 - BEd (Hons)
- Open Distance Learning model



Context of the Study



Rationale for Research

- e-Education White Paper (Department of Education, 2004)
 - 2013 all teachers should be ready to use ICT effectively in teaching and learning
- Many unqualified and under-qualified teachers
- SCTE adopts TEL for effective delivery
- Diverse and disadvantaged communities
- Programmes include basic computer-literacy
- SITES 2006
 - <40% schools are ready to use computers
 - <25% teachers able to use learning technology

Research Question

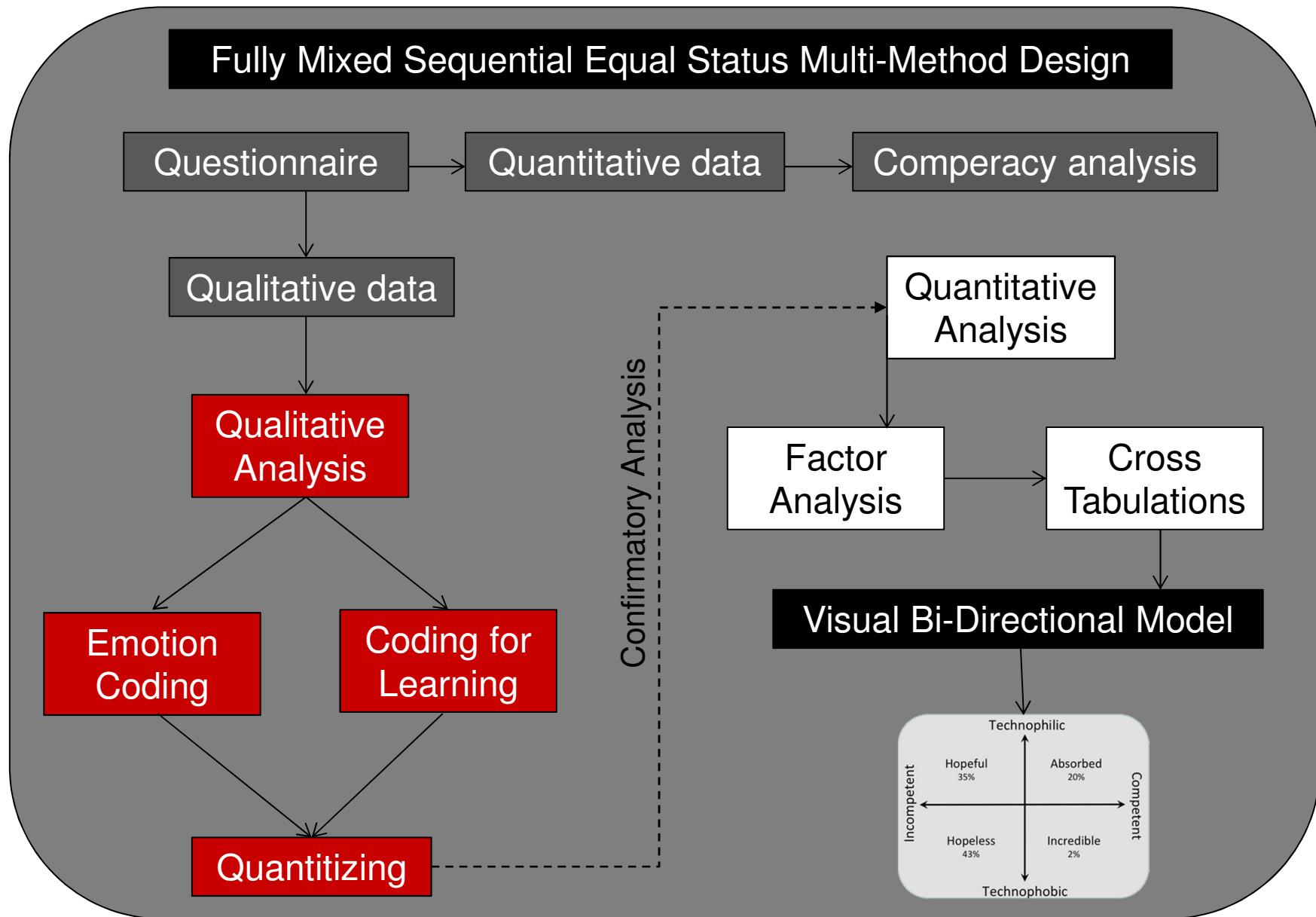
- Are teacher-students ready to engage with TEL?



Participant Selection

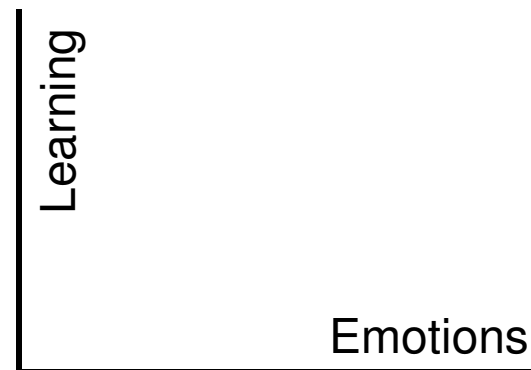
- Purposeful sample according to criterion-based selection to
 - determine emotions of teachers students
 - while learning with and about technology
- Teacher-students that only required computer-literacy course to complete their qualification
- N = 339 teacher-students
- Obtained ethics consent for study
 - institution
 - participants

Research Design and Methodology



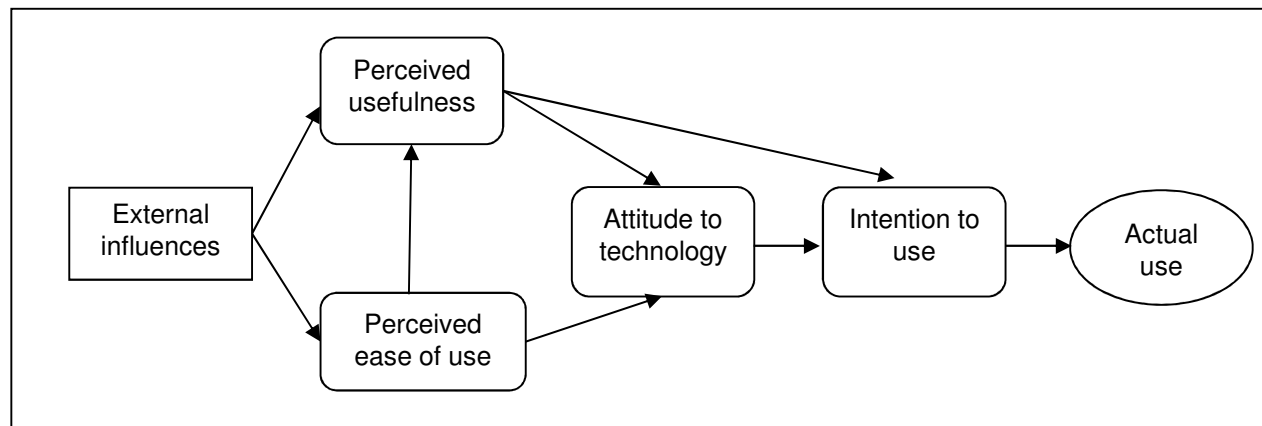
Qualitative Analysis

- Two phases qualitative analysis
 - 1st phase according to emotion coding
 - 2nd phase according to four levels of conscious competent learning model
- Integrated Atlas.ti™ dataset comprising verbal responses to five open-ended questions
- Open thematic approach of constant comparative analysis
 - bi-directional analysis



Qualitative Analyses

- Verbal responses from novice computer users from rural communities on five open-ended items from a survey based on the TAM
 - challenges participants experienced during training
 - influence of their background on computer acceptance
 - perceptions on the value of training they received
 - personal advantages of becoming computer literate
 - attitude towards technology



Emotion Coding

- Investigates subjective qualities of human experience
 - emotions, values, conflicts, judgments
- Taps into the inner cognitive systems of research participants
 - perspectives, worldviews, life conditions, influences on learning
- Hundreds of words describe emotions
 - vast repertoire of codes
 - used categorized lists of emotions

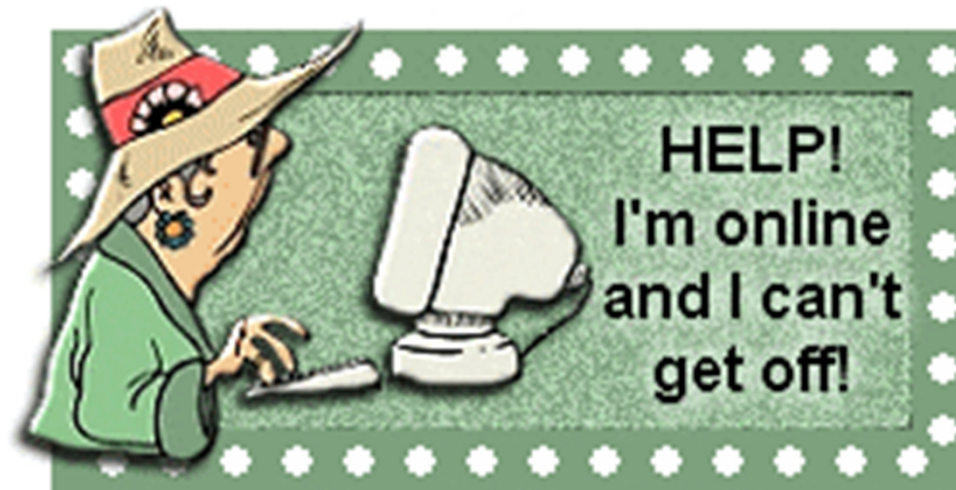
Conscious Competent Learning

- Jungian-inspired model ascertains how student-teachers perceived their new computer skills
 - unconscious incompetent
 - conscious incompetent
 - conscious competent
 - unconscious competent
- Learning progress through four stages
 - can regress to previous stage

Qualitative Findings

- 29 qualitative codes
- 2 themes
 - technophilia
 - 4 categories
 - technophobia
 - 3 categories

Technophilic Findings

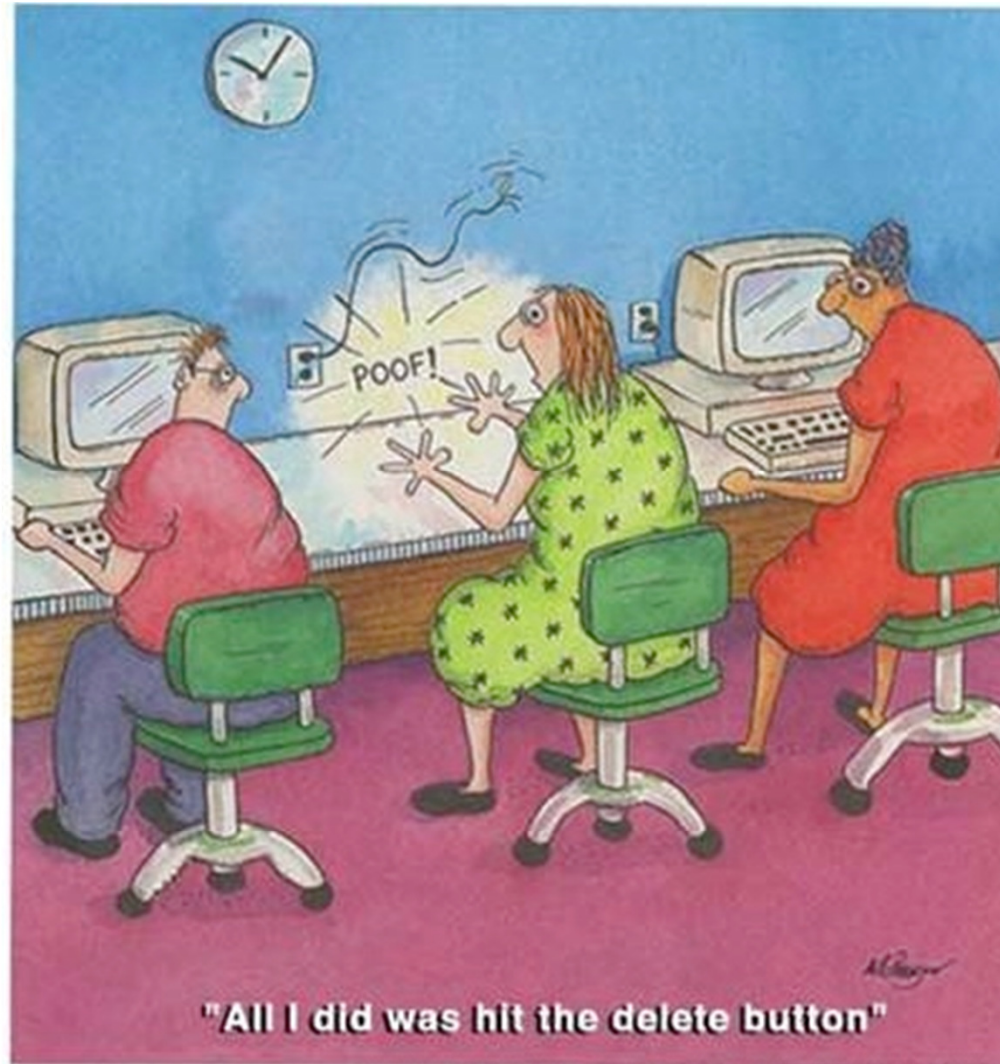


Technophilic Themes

- Promised
 - encouraged, expectant, optimistic
- Desire
 - enthusiasm, fascination, yearning
- Engaged
 - enjoyment, idealized, involved, sharing, stimulated, successful
- Grateful
 - appreciated, confident, moved, pleased, thankful, touched

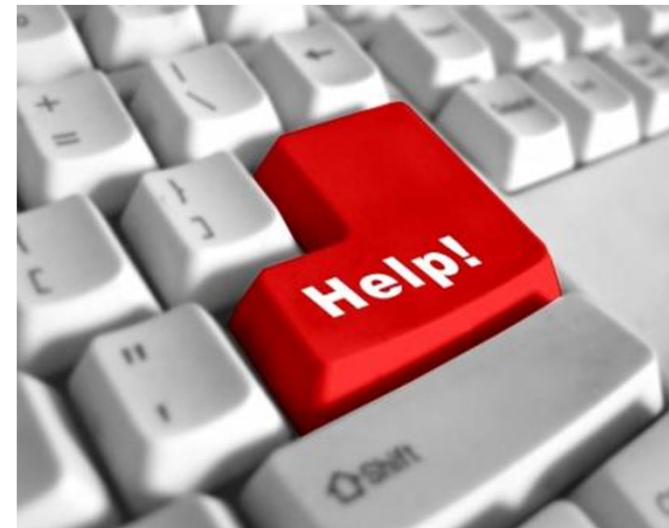


Technophobic Findings



Technophobic Themes

- Embarrassed
 - ashamed, reproach
- Afraid
 - acknowledge, apprehension, irked
- Inadequacy
 - confused, dismay, despair, frustration, lacking, powerless



Quantitative Analysis

- Quantitative validation of bi-directional model
 - computer literacy learning emotions
 - four levels of conscious competent learning model
- Exported to Excel™ → SPSS as instances
 - a value for learning = 4 point scale
 - a value for emotions = 2 point scale + counts for codes
 - technophobic
 - technophilic
- Validity by means of factor analysis in SPSS
 - two-way cross tabulation for the interrelationship between emotions and stages of learning
 - contingency tables

Factor analysis

- Variables for learning and emotion coding correlated
- Cross tabulation with Cramer's effect size (V)
 - effect size ≤ 0.2
 - small statistical effect
 - effect size $0.3 \leq V \leq 0.4$
 - medium effect that tends towards practically significant correlation
 - effect size $V \leq 0.5$
 - large effect which indicates practically significant correlation

Quantitative Findings

- Factor analysis
- Cross tabulations



Factor Analysis

- Validity of 1 emotion codes (scales)
 - 27 = 1-factor loading
 - 2 = 2-factor loading
 - 1 = 3-factor loading
 - interpreted with confidence, as they are valid in rural communities
 - 1 = 5 factor loading
 - interpreted with caution
- Validity assumed
 - reflects trustworthiness from quantitative study

Cross Tabulations

- About same proportion of respondents were technophobic and technophilic
 - increased competence, technophobia disappears
 - more incompetence than competence relates to technophilia
 - unskilled suffer from illusory superiority
 - highly skilled underrate their abilities

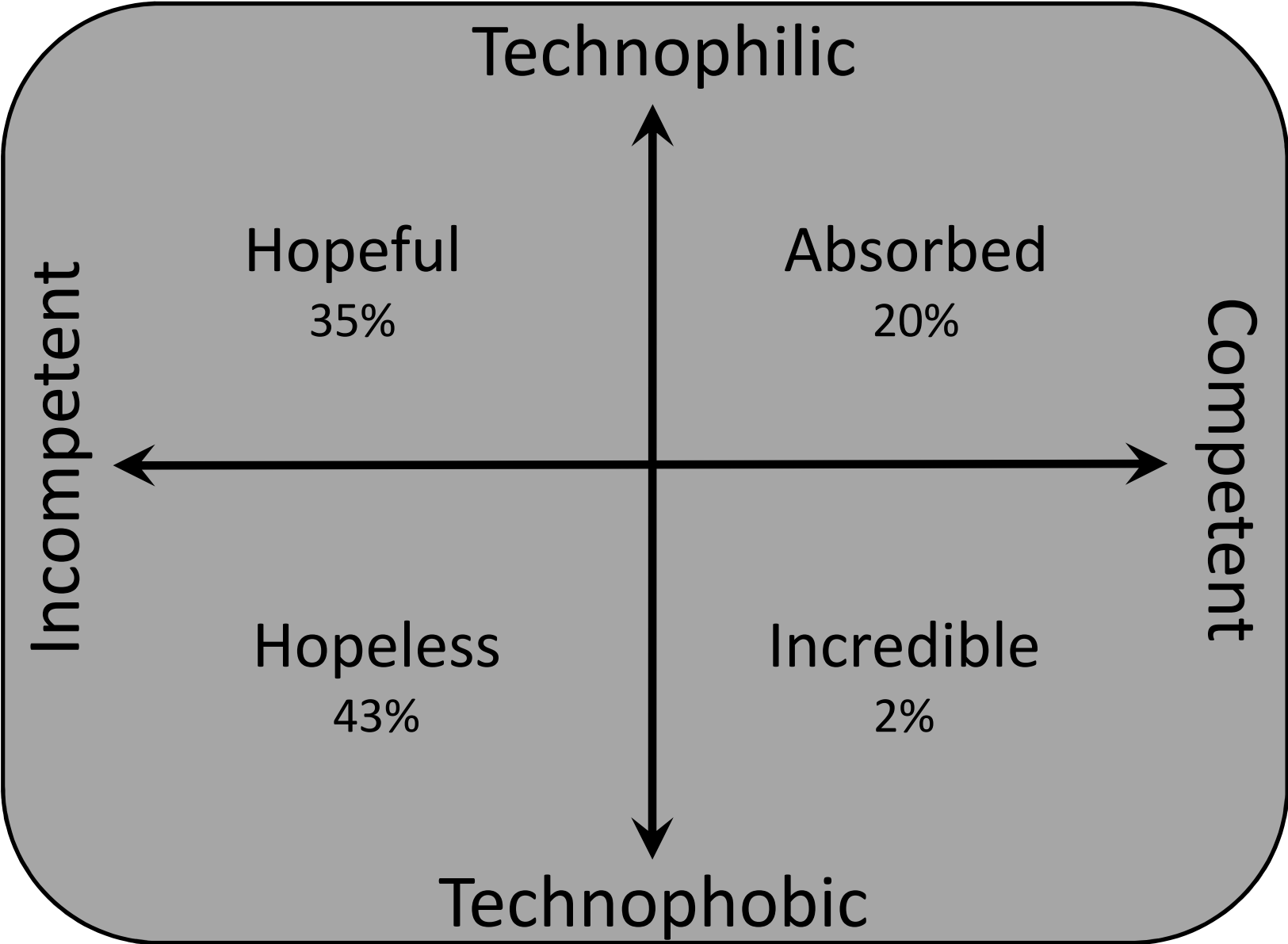
	Technophobia	Technophilia	Total
Unconscious and Conscious Incompetent	42.5%	35.1%	77.6%
Conscious and Unconscious Competent	2.2%	20.2%	22.4%
Total	44.7%	53.3%	

Cross Tabulations

- Variables for learning and emotion coding
 - incompetent
 - competent
 - technophilia
 - technophobia
- Effect sizes observed as before
 - $V = 0.484, p < 0.01$

	Technophobia	Technophilia	Total
Unconscious and Conscious Incompetent	42.5%	35.1%	77.6%
Conscious and Unconscious Competent	2.2%	20.2%	22.4%
Total	44.7%	53.3%	

Model for Affective ICT Attainment



Conclusions

- Social Transformational Learning Technology Implementation Framework for SCTE
 - address affective needs of learners
 - address competencies of faculty
 - constraints of organization
- Proactive interventions
 - meaningful training
 - alleviate technophobia
 - engage in utilizing appropriate learning technologies

Recommendation



Thank you for attending!

Questions to:

Seugnet.Blignaut@nwu.ac.za
Hennie.Esterhuizen@nwu.ac.za