

ACTAE OF THE 10TH ANGLO-ITALIAN COLLOQUIUM & 4TH INTERNATIONAL INNOVATIONS IN DENTAL EDUCATION COLLOQUIUM MEETING AT UNIVERSITÀ DEGLI STUDI DI BRESCIA, NORTH ITALY, 10-13TH MAY 2012. “BACK TO THE FUTURE””

Introduction

The 10th anniversary of the Anglo-Italian Colloquium, a collaboration between King's College London

& the School of Dental Medicine, Università degli Studi di Brescia was celebrated in Brescia 10-13th May 2012. There were over 40 delegates from 13 countries including Australia, Canada, China, Croatia, Italy, Malawi, Norway, Romania, Spain, Switzerland, UK, Ukraine and USA. The participants included six deans, or previous Deans, 20 Professors, many international students and a mix of expertise drawn from dentistry, education, technology, psychology and medicine.

Plenary Session, Friday 11th May, 2012

The Vice Rector for International Affairs at the University of Brescia, Professor Maurizio Memo, welcomed the delegation at the Plenary session on Friday 11th May which was complemented by a video response from Professor Sir Rick Trainor, Principal of King's College London. Professor Trainor celebrated the achievement of ten years of the Anglo-Italian Collaboration and explained his satisfaction that the Colloquium emphasised internationalisation with so many global participants. The outcomes from the Colloquium have included research projects such as UIDENTE and HAPTEL. Professor Trainor was pleased that the meeting also look forwards to new opportunities within the theme “Back to the Future” (Figure 1). The session was jointly chaired by Professor Corrado Paganelli (Brescia University, and Professor Pat Reynolds (Kings College London).



Figure 1 A video from the Principal of King's College London was played in response to the address by the Vice Rector from Brescia University

Following the very relevant keynote lecture by Dr Jenny Gallagher, (King's College London) on 'Revolutionising the Dental Curriculum - Delivering Better Oral Health', Professor Mark Woolford (King's College London) reflected on 'Back to the Future of the Dental Curriculum'. After the break, Dieter Schönwetter (University of Manitoba) led a much appreciated interactive session with the audience using voting 'clickers'. The keynote was entitled 'Back to the Future: Past Experiences Informing Future Practice on Technology-Enhanced Learning (TEL) Tools for Dentistry'.

Innovative Technology Enhanced Learning (TEL) Symposium, 11th May 2012.

In the afternoon, the innovative technologies symposium showcased a series of educational research projects and was ably chaired by Professor Rosemary Coates (Curtin Universi-

ty, Western Australia). The afternoon's keynote was from Professor Brian Millar who spoke on 'Distance Learning - A Decade of Delivery'. The innovative TEL projects included presentations covering cartoons, two serious games in dental public health and therapeutics, social networks for education (Kinship) and pedagogical threshold 'light-bulb' moments. Lively debate from the audience made this a very valuable session.

Emerging Economies Round Table sessions, 12th May 2012

On Saturday 12th May three round tables were held. This was preceded by a showcase of a new Performance Indicator Tool from John Cornforth (Tier2 Consulting, UK) and a report from the students Maja Sabalic (EDSA President) and Simran Chana (King's College London). Two roundtables considered a needs analysis for the use of TEL in Malawi and the Ukraine, Chaired by Professors Nairn Wilson (King's College London) and Ken Eaton (King's College London) with Rapporteurs Professors Dieter Schönwetter (University of Manitoba) and Ekaterina Fabrikant (International College of Dentists), respectively. The third roundtable considered research funding opportunities in the Horizon 2020 European programme, led by Bruce Elson (Birmingham City University) with Rapporteur Professor Cristina Manzanares (University of Barcelona (Rapporteur)). Many useful outcomes from the reports are informing future activities and investigations.

Social Calendar

Social highlights included an ice-breaking session on Thursday 10th May led by an accomplished Italian artist and visiting Professor to Brescia – Paola Ferroni. Delegates were all invited to learn how to express their inner self through a fun workshop activity (Figure 2, Appendix 1).



Figure 2 'Art by the Lake' led by Paola Ferroni

More than 20 paintings were successfully auctioned by Professor Nairn Wilson (King's College London) at the Gala Dinner on Saturday 12th May which raised more than 200 Euros for books for Malawi.

The 10th anniversary was celebrated by a poolside reception on Friday 11th May with Professor Steve Dunne (King's College London) acting as the Master of Ceremonies (Figure 3). Newly conferred Professors Mark Woolford (King's College London) and Dieter Schönwetter (University of Manitoba) were honoured. Professor Lakshman Samaranayake (Hong Kong University) congratulated on his award for best researcher in South-East Asia and conferment of the prestigious King James IV Professorship by the Royal College of Surgeons of Edinburgh.



Figure 3. Delegates at 10th Anglo-Italian Colloquium Celebratory Reception

Further discussions continued on Saturday afternoon during the lake trip to Malcesine where delegates visited the old castle and village. In the evening a sumptuous Italian feast was prepared by our Italian hosts at the Gala Dinner.

UDENTE International Advisory Board (IAB) Meeting 10th May 2012

The events of the past year were discussed in the development of the next stages for the UDENTE project. Chaired by Ken Eaton (King's College London) with Skype links to Australia, USA and Malaysia, the challenges of implementing innovative technology were discussed. A new EU project called PIONEER (Personalised Intra Operable Networked Environments for Education and Research) had recently been submitted to Brussels, and if successful would enable the further development of the UDENTE platform with haptics and 4D virtual worlds incorporated into the

framework. The role of UDETE in developing countries was also seen as an opportunity and the roundtables would be a useful first step by way of a needs analysis assessment. Thanks to all the IAB members who give their time and expertise freely to this innovative project (1).

Reference

1. Reynolds PA. (2012). UDETE (Universal Dental E-Learning): A Golden Global Opportunity for Dental Education. Bull Group Int Rech Sci Stomatol Odontol. 50: 11-19 <http://www.girso.eu/journal/index.php/girso>

Delegates

Prof.	Paganelli	Corrado	University of Brescia, Italy
Prof.	Visconti	Luca	University of Brescia, Italy
Mr.	Ainger	Colin	Ergon Communications , UK
Dr.	Birnbaum	Warren	King's College London
Dr.	Brayshaw	Chris	King's College London
Mr.	Cornforth	John	Tier 2 Consulting, UK
Prof.	Coates	Rosemary	University of Curtin, Western Australia
Prof.	Denga	Oksana	ONMU, Odessa, Ukraine
Prof.	Donaldson	Nora	King's College London
Prof.	Dunne	Stephen	King's College London
Prof.	Eaton	Kenneth	King's College London
Mr.	Elson	Bruce	Birmingham City University, UK
Dr.	Fabrikant	Ekaterina	International College of Dentists, Switzerland
Prof.	Ferroni	Paola	University of Curtin, Western Australia
Dr.	Gallagher	Jenny	King's College London
Prof.	Hensten	Arne	University of Tromso, Norway
Mrs.	John	Bernadette	King's College London
Prof.	Johnson	Lynn	University of Michigan, USA
Prof.	Kerosuo	Eero	University of Tromso, Norway
Dr.	Madden	Isobel	UHI, Scotland
Prof.	Manzanares	Cristina	University of Barcelona, Spain
Prof.	Martín	Conchita	University of Madrid, Spain
Prof.	Millar	Brian	King's College London
Mr.	O'Driscoll	Patrick	King's College London
Mr.	O'Neill	Eunan	King's Health Partners
Prof.	Onisei	Doina	UMFT, Timisoara, Romania
Dr.	Pankhurst	Caroline	King's College London
Dr.	Quinn	Barry	King's College London
Prof.	Reynolds	Pat	King's College London
Ms.	Sabalic	Maja	University of Zagreb, Croatia
Prof.	Samaranayake	Lakshman	University of Hong Kong, China
Dr.	Schönwetter	Dieter	University of Manitoba, Canada
Mr.	Sumani	Suwedi	QECH, Malawi
Ms.	Taylor	Alison	Elsevier
Prof.	Wilson	Nairn	King's College London
Dr.	Woolford	Mark	King's College London

Undergraduate and Postgraduate Students

Mr.	Berr	Lukas	University of Vienna
Mr.	Chana	Simran	King's College London
Dr.	Kaddour	Sarah	King's College London
Ms.	Kobus	Marta	King's College London
Mr.	Shahriari-Rad	Arash	King's College London
Ms.	Sordahl	Anne Judith	University of Tromso, Norway

Dr. Stagnell Sami King's College London
 Ms Teodorsen Mari Mjones University of Tromso, Norway

Administrative staff

Ms. Bocci Antonietta King's College London
 Ms Marilyn Clark King's College London

Timetable

Thursday 10th May

Thursday 10th May	Venue	Event	Speakers
09.00 – 12.00	Hotel Bellerive	Delegates arrive	
13.30 – 14.30		UDENTE International Advisory Board Meeting	IAB Members (with Skype links)
14.30 – 16.30		Ice breaker workshop: Medicine and Art (All) Professor Paola Ferroni	

Friday 11th May

Friday 11th May	Venue	Event	Speakers
08.30	Hotel Bellerive	Coach to Medical School, Aula G	
09.30 – 09.50	Medical School Aula G	Welcome from Deans and Video from the Principal of King's	
09.50 – 10.00		Introduction to Colloquium	Pat Reynolds
10.00 – 10.30		Keynote: Curricular Innovations	Jenny Gallagher
10.30 – 11.00		Keynote: Back to the Future: the Curriculum	Mark Woolford
11.00– 11.30		Coffee Break	
11.30 - 12.30		Keynote: Back to the Future : TEL Tools An interactive session with voting tools	Dieter Schönwetter
12.30 – 14.00	Dental School Library	Buffet Lunch	
14.00 – 14.30	Dental School Library	Keynote: Blended Learning: A Decade of Delivery	Brian Millar
14.30 – 15.00		Cartoons and Characters	Pat Reynolds & Nora Donaldson
15.00 – 15.30		GRAPHIC serious games	Eunan O'Neill
15.30 - 16.00	Dental School Library	Tea break	Arash S-Rad: Poster: Virtual Reality Assessment

16.00 – 16.30	Dental School Library	Social Networking: Global Perspectives	Charlie Lei Ding
16.30 – 17.00		Threshold concepts in Dental Education	Marta Kobus
17.00 - 17.20		Prescribing the Future: A Game in 3 EU States	Lukas Berr
17.45		Coach leaves for Celebratory Reception	
19.15	Hotel Bellerive	Group photo	
19.30 – 21.00		Celebratory Reception at Hotel Bellerive – Swimming Pool	

Saturday 12th May

Saturday 12th May	Venue	Event	Speakers
9.30 – 9:45	Hotel Bellerive	Intro	
		Introduction	Patricia Reynolds
		EDSA update	Maja Sabalic
Innovations Showcase			
9.45 – 10.15		Performance Indicator Tool	John Cornforth
		4D Virtual Worlds	Bruce Elson
10.15 – 10.30		Coffee break	
10.30 – 12.00		Roundtable discussions	
12.00 – 12.30		Report back from groups (10 minutes each)	
12.30 – 12.35		Round-up	Corrado Paganelli
15.00 – 18.00	Malcesine	Depart by boat for Malcesine and return	
19.30 – 23.00	Hotel Bellerive	Celebratory Gala Dinner	

Roundtable Discussions – Workgroups

Members may move groups but are selected for their especial expertise and interests.

Two workgroups will be held to consider a Needs Analysis for Technology Enhanced Learning (TEL) in Dentistry for Emerging Economies - focusing on Malawi and the Ukraine respectively.

One overall outcome is identify questions for a proforma to aid detailed data collection for such a needs analysis. The questionnaire used for the TEL needs analysis at King's College London Dental Institute was based on the TEL strategy of King's (Appendix 2). The questions used are enclosed as a reference only.

1. Malawi (Figure 4)

Chair: Nairn Wilson

Rapporteur: Dieter Schönwetter

Objectives:

1. Background: Review the special circumstances for TEL implementation in Dentistry in Malawi:
 - a. The African perspective: culture, students, staff
 - b. Ethical and discrimination issues
 - c. Connectivity and IT issues
 - d. Resources
 - e. Leadership and sustainability
2. Theoretical concepts: for implementing successful TEL in the context of Malawi such as:

- a. Can the principles of best practice in blended learning be applied? eg Local support and leadership, quality assurance
 - b. Will public health principles inform curricular development in health education eg a health centric curriculum, government and local support
3. Practical consideration for needs analysis: Consider how you would analyse the TEL needs in Malawi such as:
- a. Best approach to performing a detailed needs analysis
 - b. Outline further steps are needed for a successful TEL project in Dentistry in Malawi

Members:

Suwedi Sumani, Simran Chana, Rosemary Coates, Charlie Ding, Jenny Gallagher, Lynn Johnson, Marta Kobus, Brian Millar, Corrado Paganelli, Caroline Pankhurst, Barry Quinn, Maja Sabalic, Lakshman Samaranayake, Mark Woolford. By Skype: Jessica and Oliver Jefferis & Philip Poulsom

Support staff: Marilyn Clark



Figure 4. Malawi Round Table

2. Ukraine (Figure 5)

Chair: Ken Eaton

Rapporteur: Kate Fabrikant

Objectives:

4. Background: Review the special circumstances for TEL implementation in Dentistry in Ukraine:
 - a. The Eastern European perspective: culture, students, staff
 - b. Ethical and discrimination issues
 - c. Connectivity and IT issues

- d. Resources
 - e. Leadership and sustainability
5. Theoretical concepts: for implementing successful TEL in the context of Ukraine such as:
- a. Can the principles of best practice in blended learning be applied? eg Local support and leadership, quality assurance
 - b. Will public health principles inform curricular development in health education eg a health centric curriculum, government and local support
6. Practical consideration for needs analysis: Consider how you would analyse the TEL needs in Ukraine such as:
- a. Best approach to performing a detailed needs analysis
 - b. Outline further steps are needed for a successful TEL project in Dentistry in Ukraine

Members:

Oksana Denga, Paola Ferroni, Isobel Madden, Conchita Martín, Colin Ainger, Warren Birnbaum, John Cornforth, Nora Donaldson, Steve Dunne, Eero Kerosuo, Eunan O'Neill, Alison Taylor.

Support staff: Antonietta Bocci



Figure 5 Ukraine Round Table

3. The Third Workgroup will consider the submitted EU Application, PIONEER (Personalised Intraoperable Networked Environments for Education and Research) (Figure 6)

Chair: Bruce Elson

Rapporteur: Cristina Manzanares

Objectives:

1. Review objectives of PIONEER
2. Consider the timeline if successful including
 - a. initial steps
 - b. further meetings
 - c. communications strategy
3. Consider the next steps if his application is unsuccessful such as future bids

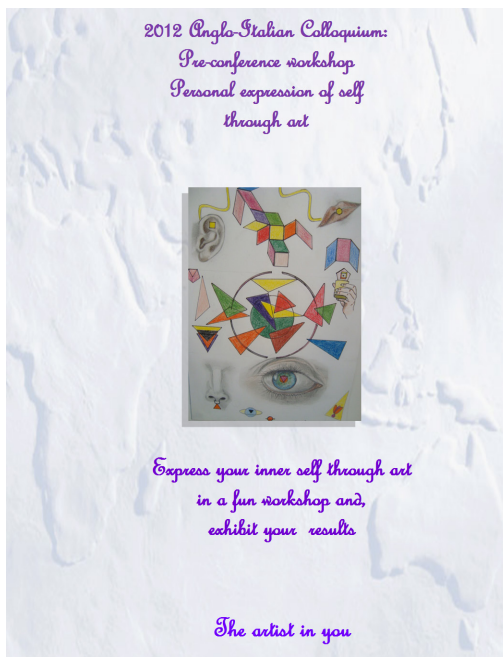
Members:

Lukas Berr, Arne Hensten, , Bernadette John, Eero Kerosuo, Doina Onisei, Pat Reynolds, Maja Sabalic, Arash Shahriari-Rad, Anne Judith Sordahl, Mari Mjones Teodorsen, Ingrid Toni.



Figure 6 PIONEER Round Table

Appendix 1: Medicine and Art on the Lake



Introduction

This interactive workshop is designed to encourage self-exploration through art. The process should be fun, even a bit mysterious. Participants will explore their creative side through drawing, colours and or other media. You do not need to have a background in art to be able to participate to this workshop and to reveal your hidden creative talents. When required the facilitator will help you to develop your ideas, liberating the natural artistic skills in you.

Objectives

- a) To provide an opportunity to explore yourself through art.
- b) To provide an opportunity, only for willing participants, to describe to the group, the meaning of the finished work

Structure & Support

The Workshop will be held in a room at the Anglo-Italian Forum. Tables and chairs will be positioned to enable each participant to undertake the activity with the appropriate material. The activities will be guided by the workshop, Prof. Paola Ferroni. Materials provided include the following:

- Brushes
- Pencils
- Erasers, blue tack, pins and staplers
- Coloured pencils
- Coloured pens
- A4 special drawing & painting papers
- Some material for collage
- Rulers
- Cutting utensils
- Special glue
- Sponges, cloths to wipe brushes, etc
- Boards for each art work

Duration

The workshop is open from 14:30 to 16:30 hr. The facilitator, however, will remain available after the workshop and throughout the period of the Colloquium to assist in refining individual art work. With the agreement of the participants, the facilitator will suggest to the Colloquium organizers, to exhibit the participants' art. Some might agree to auction their art to the Colloquium, supporting the good cause of books for Malawi.

Appendix 2. Roundtable Sessions King's Dental Institute Questionnaire for evaluating TEL needs

Profile: Are you a:

- Undergraduate student
- Postgraduate student
- Dental Care Professional
- Chair of any DI Dental Education Committee
- Senior faculty/Clinical Director/Director of Centres
- Administrator
- Head of Department/Group
- Other, please specify

Do you: Agree strongly, agree, neither agree nor disagree, disagree or strongly disagree with the following statements:

Section 1: Resources

1. The Dental School should provide further funding to support Technology Enhanced Learning (TEL)(e-learning)
2. The University should provide more funding to support Technology Enhanced Learning (TEL) (e-learning)
3. The Dental School is well placed within the University to continue to research and develop TEL .
4. The Dental School will benefit from peer reviewed e-content resources covering the whole dental curriculum
5. The Dental School already has access to a virtual learning environment (VLE) eg WebCT, Moodle
6. The Dental School will benefit from provision of central University and/or external hosting of servers that run TEL

Section 2: Reward and recognition

1. Engagement with TEL should be more highly valued for purposes of recognition and promotion.
2. Recognition for providing quality assured, peer-reviewed teaching resources in the same way as producing research publications would provide an incentive for staff to engage with TEL.

Section 3: Staff and student development

1. Equity of access by students to TEL resources needs to be assured.
2. There is a general digital divide between students and staff.
3. A support course (with CPD accreditation) to aid staff in the design of TEL

courses should be provided.

4. Central facilities are needed to support staff in development of TEL.
5. I specifically require the following to assist in developing TEL (choose as many as apply)
 - a. I do not want to develop TEL
 - b. More information about TEL
 - c. Digitisation support for teaching resources
 - d. Copyright assurance
 - e. Uploading and technical support
 - f. Educational and pedagogical support
 - g. Time given for the exercise
 - h. Other

Section 4: Using TEL in the curriculum

1. The whole student cycle needs to be addressed in TEL terms (eg tools for admission, assessment etc), not just the curriculum (e-content).
2. There is much scope for further student engagement in TEL Eg use of technology in managing electives, mobile technology etc
3. Blended approaches need to be widened to allow maximal benefit to all course providers.
4. Sharing quality assured reusable learning resources will be valuable in creating new courses.
5. Pedagogical and practical advantages of TEL need to be explained to staff.
6. Central facilities should be provided to help staff use TEL tools eg assessment and Virtual Learning Environments
7. The availability of wireless internet in all areas of the University is essential to allow accessibility for all users of TEL.
8. The Dental School's Alumni should be included in the TEL initiatives, eg further training opportunities, and funding.

Section 5: Research

1. The value and profile of TEL research should be raised.
2. Enhanced central co-ordination of TEL research applications would help to maximise joint research proposals across the College.
3. International collaborations to further the research and use of TEL globally should be encouraged,

Section 6: Culture

1. A major cultural change towards TEL is required in the Dental School to enhance a traditional teaching approach with a blended approach (face to face with e-learning)
2. Strong leadership will be required to facilitate the cultural change described above.
3. Significant financial investment will be required to facilitate the cultural change.
4. Personal advantages of engagement with TEL needs to be made clear.
5. Sharing of teaching resources, through a central learning resource database, can be acceptable to staff if assurances over copyright and data protection are made.

6. Students with advanced IT skills should be harnessed in future TEL developments in the College
7. Working with organisations such as the International College of Dentists will improve our TEL provision

Section 7: Future Innovations

1. The Dental School should help develop the potential of TEL.
2. Effectively managing assessment and feedback online is central to the future success of TEL in the Dental School
3. Cutting edge research into TEL should be encouraged eg Emerging technologies should be researched, for example robotics, and 3D worlds.
4. At this stage we need just basic provision of TEL