

Delegate Biographical Information and Key Note Abstracts



Professor Corrado Paganelli

Corrado Paganelli DDS, MD is currently chair of the Board of IFDEA (International Federation of Dental Educators and Associations) and FEHDD (Forum of European Heads and Deans of Dental Schools), Former President CECDO (Council of European Chief Dental Officers) and ADEE (Association for Dental Education in Europe). Dean of dental school / clinic, and previously hygienist school and orthodontic program, Erasmus coordinator for medical school at University of Brescia – Italy. President-elect of IADR Nutrition group. He also chairs the dental expert panel (Expanmed) for the EU Commission of the Regulation (EU) 2017/745 on Medical Devices. Professor Paganelli has also

been the convivial host of the many Innovations in Education Colloquiums held at Brescia for over the past 20 years.



Professor Margaret Cox,

Professor Margaret Cox is Emerita Professor of IT in Education at King's College London (based in both the Faculty of Dentistry, Oral and Craniofacial sciences (FODOCS), and the School of Education, Communication and Society (ECS)). She was awarded an OBE in 2001 for outstanding contributions to IT in education, appointed as Fellow of the Institute of Physics in May 2003, and lifelong fellow of ITTE, NAACE and Mirandanet. In 2011, Margaret was appointed a fellow of Kings College London for exceptional services to the college. Researching and developing the uses of new technologies in education since the 1970s and the use of

haptic simulators in Health Care Education since 2007, she has been a regular contributor to the Brescia/King's College London Colloquia since the first one in 2001. She is past President of the National Conference of University Professors (NCUP) which has helped to encourage young researchers to present their research at Brescia colloquia in recent years through the NCUP sponsorship scheme. Margaret is an international expert in the role of technology in education, its impact on teaching and learning and on policy and practice. This includes being a founder member of the International Steering Committee for EdusumMIT, sponsored by many governments and UNESCO, which brings together leading researchers, policy makers and practitioners in the field of IT in education. Its purpose is to assist researchers and governments to build on past evidence to forge the future for IT in Education. Margaret has been a regular consultant to various governments over more than 40 years and is currently a member of the Kortext Academic Advisory Board and Honorary Professor at the Dental Academy, University of Portsmouth



Dharmesh Chauhan

Dharmesh Chauhan currently holds the position of Lead Data Analyst in the Corporate Data Warehouse team at Argus Media over the past 4 years and has over 15 years of experience in Business Intelligence. His expertise encompasses a broad spectrum of data-related fields, including advanced data visualization and semantic data modelling. A lifelong learner and educator, Dharmesh is passionate about continuously upgrading his skills and knowledge and passing that knowledge on to those that are passionate about data. He has recently embraced QuickSight Analytics and AI features as his primary business intelligence tool at Argus, reflecting his adaptability and commitment to staying at the forefront of data analytics technology



Professor Dieter Schonwetter

Dieter, a product of diverse heritage, born to German and Paraguayan immigrants in the vibrant landscape of Canada, found his roots along the Frazer and Assinboine rivers. His transformative journey at the Dr. Gerald Niznick College of Dentistry commenced in 2004, propelling him from an Education Specialist to the esteemed position of Director of Student Affairs and Academic Services. In 2018, Dieter's unwavering commitment to education earned him the prestigious Association of Canadian Faculties of Dentistry National Teaching Award. His exceptional contributions extend beyond the classroom, as reflected in his stellar research portfolio, encompassing four international and eight national awards, as well as securing 48 research grants.

A beacon of guidance in academia, Dieter has mentored 16 graduate and 9 BSc students, leaving an indelible mark on their educational journey. His scholarly impact extends to over 60 publications, including a noteworthy book. Dieter's influence reaches international audiences through 15 keynote addresses and nearly 200 peer-reviewed conference presentations. With a global perspective, he has conducted 200+ professional development workshops across 12 countries, fostering educational excellence.

Outside the academic realm, Dieter's passions are diverse. An advocate for innovative teaching technology, he is equally dedicated to understanding and preserving Indigenous culture. A nature enthusiast at heart, weekends find him immersed in the pursuit of wildlife photography, sharing captivating stories of unexpected encounters and unique discoveries.





Dieter's indomitable spirit is further showcased in his cold-weather biking, inspired by his encounters with gypsies in Germany. His global adventures, shared with family, attest to his accomplished world-traveller status. Beyond accolades and accomplishments, Dieter's zest for learning, dedication to teaching, and appreciation for diverse cultures define his dynamic persona.



Professor Kenneth Anthony Eaton

Ken Eaton is currently a Visiting Professor at the University of Portsmouth and an Honorary Professor at the University of Kent. He is also Advisor to the Council of European Chief Dental Officers and a Honorary Member of the European Association of Dental Public Health (EADPH). He is a past President of EADPH and of the Education Research and Practice Research Groups of the International Association for Dental Research. He was the first President of the Platform for Better Oral Health in Europe and has been the president of the IADR Education Research and Practice-Based Research Groups. From 1990 to 2002 he was a Senior Civil Servant at the Department of Health (England) and in 2007 was a Specialist Adviser to the House of Commons Select Committee's inquiry into the NHS General Dental Services in

England. He is listed by the General Dental Council as a Specialist in Periodontics and Dental Public Health.



Dr. Claire C. McCarthy

PhD MA Ed. RDH FAETC CERT ED PGCE RDN FHEA FCGDent

Clinical Research Fellow & Clinical Teacher Periodontology, Kings College London, Faculty of Dentistry, Oral & Craniofacial Sciences,

Claire graduated from Trinity College Dublin, Ireland in 2000 and joined King's College London (KCL) in 2004. She earned a Master's in Higher and Professional Education from UCL in 2007 and was awarded fellowship of the higher education academy in 2008. She completed a PhD in Clinical Dentistry in 2024 at KCL, focusing on aerosol prevention and ultrasonic device performance. Claire was Programme Lead for BDS1 and BDS2

Periodontology at KCL for eight years and is now a Clinical Research Fellow and Clinical Teacher in Periodontology teaching undergraduate and postgraduate students, supervises clinical sessions, mentors students, and supports Student Selected Components (SSC) research. She won a teaching award for student support in 2025. She is Co-Principal Investigator on multiple research projects investigating ultrasonic devices and aerosol reduction. Her academic interests include pedagogy, scaffolding learning, and linking

theoretical knowledge to clinical application. Claire is chair of the Accreditation Committee for the Irish Dental Council and is an external assessor for Malta's MFHEA. She has served on council of BSDHT and ECG of BSP and is a Visiting Scholar at NYU College of Dentistry, contributing to postgraduate education.



Sandeep Klair

Dr Sandeep Klair is a special care dentist practicing in England and Wales. She qualified in 2003 from the University of Liverpool and after completing hospital and general dental practice roles, began her specialty career in 2010. In 2023, she gained a Masters degree in special care dentistry from the University College London. Sandeep is passionate about enabling improvements in oral health for people with complex medical, psychological and social needs. She has received good practice recognition from the National Treatment Agency, and she has been awarded prestigious prizes and speaker invitations from the British Dental Association, British Society for Special Care Dentistry and the International Association for Disability

and Oral Health.



Leon Bassi

Leon Bassi is a Clinical Lecturer at the University of Liverpool. His professional background encompasses substantial clinical experience within community, hospital, and specialised private practice environments. He possesses a Postgraduate Diploma in Paediatric Dentistry for Dental Therapists and a Master of Science in Advanced Specialist Healthcare. Leon is an active member of the British Society of Dental Hygiene and Therapy (BSDHT). Furthermore, he holds Fellowship of Advance HE (formerly the Higher Education Academy) and Fellowship of the Faculty of Dental Trainers.

Mirandanet Panelists



Professor Christina Preston

Professor Christina Preston has been at the forefront of education and technology for over 30 years. The MirandaNet Fellowship that she founded in 1992 has become a global thought leader in edtech with over 1,400 members in 80 countries and an outreach of more than 80,000 website visitors. At the core of the members' philosophy is the sharing of knowledge and change management based on grassroots evidence. The members work with EdTech companies to research into the impact of technology and learning in classrooms and report on their findings for the global community. Christina has won 5 international awards for her

contribution to education innovation and community of practice development. She is also past chair of the Technology, Pedagogy and Education Association and the editor of the Naace Advancing Education journal.



Professor Linda la Velle MSc PhD

Linda la Velle is Professor of Education and Research Ethics Lead in the School of Education, Bath Spa University, UK; Professor Emeritus in the Institute of Education, University of Plymouth, UK and Visiting Professor at Plymouth Marjon University. Linda's career has spanned 52 years: 15 as a school teacher of science and maths to pupils aged 7-18 years; 11 years in charge of secondary PGCE Science (University of Exeter) and 8 years in a promoted teacher education role at the University of Bristol; 10 years educational research leadership (University of Plymouth) and 8 years as a part-time professor at Bath Spa.

Her personal research interests are in the areas of teacher education and professional development in general and science education (new technologies and ethical issues) more specifically. Externally funded research includes the HEFCE-funded Action on Access project (2009-10); Comenius Regio-Funded projects (2011-13) with UK school partners: *Active Inclusion for Sustaining Communities* (with the Ministry of Education in Cyprus) and *Towards the development of deeper learning and transferable lifelong skills through the use of European Key Competencies* (with the University of Santiago de Compostela in Spain); Erasmus+ projects: *ENTELS*, *PhenoloGIT* and *Robo21C*, with 4-9 European partners, one of which as Lead Partner. (c700k Euros).

Publications since 1987: 6 authored books; 2 edited books; 3 Journal Special Editions; 12 book chapters; 12 official reports; 40+ papers in international refereed journals; 80+ refereed international conference presentations/papers.

Grants as Principal Investigator or co-applicant since 1988: total of £3M+ from e.g., HEFCE, ESRC, Wellcome Trust, Nuffield Foundation, TDA, Royal Society, EU (Comenius and Erasmus+ programmes).

Linda is a past Chair of the International Council on Education for Teaching (ICET) and the Research and International Committee of the Universities Council for the Education of Teachers (UCET). She is Executive Editor of the Journal of Education for Teaching, (JET).

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Dr Susan Heightman

Dr Susan Heightman qualified as a teacher of English and Biology. Sue has taught in secondary schools (Pupils aged 11 to 18) in both the UK and Belgium and used her experience working in industry, to develop BTEC courses in Business. Sue worked with six universities to establish the West London Partnership GTP (Graduate Teacher training Programme) She was the Coordinator of Secondary Teacher Training for twelve years. Additional to this work she has consulted on various education and training projects for government agencies and commercial companies,

Sue has an MBA and a Doctorate in Education from Brunel University on *Mentoring and the Application of Learning Theory in Teacher Training*. Her work in mentoring teachers across Europe was recognised with the presentation of a European Women of Achievement award in the Professional Category. She has authored a number of education publications and scripted TV programmes.



Tim Tarrant CITP, FBCS, BSc(Hons)

Tim studied Social Science at University, and trained as a systems analyst and programmer and led on a number of computer based projects. He Joined the Department of Education in 1990 and was a civil servant until retirement. He had several policy areas during his career including National Curriculum Technology, laptops for teachers and CAD-CAM. He spent some of his time assessing and reviewing the computer-based projects in other civil service Departments and agencies. Since retirement he has been a trustee of the Design and Technology Association and is currently a trustee of Technology, Pedagogy and Education.

Saturday Roundtable Lead Presenter



Professor Barry Quinn

Professor Barry F.A. Quinn, Chair in Restorative Dentistry & Dental Education, Academic Lead & Head for Restorative Dentistry, University of Liverpool, School of Dentistry & King James IV Professor of the Royal College of Surgeons of Edinburgh. Barry was awarded a National Teaching Fellowship in 2023 recognising his pioneering and unique contribution to dental education, only the 12th dental recipient in 23 years of the scheme.

Barry is presently Secretary General of the Association Dental Education in Europe (ADEE), president of the Royal Society of Medicine, Section of Odontology (2024), immediate past president of the British Alliance for Researchers in Dental Education and Scholarship (BARDES), president of the Dental Teachers of Professionalism in the UK (2022) and a past-president of the Education Research Group (ERG) of the International Association of Dental Research (2018-2020) and metropolitan branch past president of the British Dental Association (2017). He is also a Dental Council elected member for the Faculty of Dental Surgery at the Royal College of Surgeons of Edinburgh. In 2017, Barry was the main lead for the “Shaping the Future of Dental Education” world workshop held at King’s College London.

At the University of Liverpool, Barry leads the integrated teaching of restorative dentistry for the collaborative learning core for the interprofessional education of dental and dental therapy students. Barry is a past recipient of the ADEE mature educators award (2013) and interprofessional educators award (2016) and the American Dental Education Association (ADEA) emerging leaders (2021).

Barry’s main research has included interprofessional education, haptic virtual reality surgical skills education and he completed a PhD in this area at King’s College London. He has been

fortunate to win many UK and international awards, such as the Medical Futures award (2011), British Education Technology & Trade Awards for “Innovation in Education” with his colleagues in the hapTEL team and in 2020 a King’s Civic Challenge award working with the Borough food cooperative as well as being the lead on the Henry Schein Practice Green awards for campus initiatives in 2023. Barry has published over 190 refereed publications , conference papers and abstracts

Abstracts for Keynotes speeches and roundtable discussions

Professor Margaret Cox,

“Moving forward to new educational realities in the digital era” was the theme of the last EdusumMIT2023 which brings together leading international researchers, practitioners and key policy makers every two years to review the knowledge and practices of IT in Education across the world in order to keep countries up to date on the role, scope and impact of IT in Education. This lecture is a reflection on the immediate shift to and adaptation of online technology during COVID-19 since March 2020 and an analysis of the way this has affected education and training. It draws on the decades of research outcomes and practical experiences before this radical change. Before COVID-19, researchers, practitioners and policy makers have been working for decades to integrate technology in education and training with different rates of successes. There were new ways that educational communities took on the pandemic challenge around the world and questions such as “Where do we go from here?”, “In what ways do we go back to prior practices?”, and “In what ways do we change and evolve?” emerging. In this era of rapid technological advancement, lessons can be learnt from previous successes, barriers, enablers to help us enhance and advance education and training and embrace new educational realities.

Mr Dharmesh Chauhan

AI: A Navigator’s Guide

This presentation will provide an overview of three key areas in the development of artificial intelligence: Retrieval-Augmented Generation (RAG), local large language models (LLMs), and agentic systems. It will explain how RAG improves the accuracy and relevance of AI outputs by combining language models with external data sources. The session will also outline the benefits and limitations of running LLMs locally, particularly in relation to data control, security, and performance. Finally, the concept of agentic systems—AI tools designed to operate with a degree of autonomy toward defined goals—will be introduced. The talk will offer insights into how these technologies are being developed and used

Professor Kenneth A. Eaton

AI Dragons – Friends or Foes ?

The two previous presentations have traced the history of artificial intelligence (AI) and have considered its uses in education, including healthcare education. This presentation will provide an overview of the future use of AI in a wide range of areas of human endeavour, including medicine, social care, finance, publishing, the performing arts, law and society in general. It will suggest that there will be benefits and risks. In short some AI dragons will be friendly but others have the potential to cause harm.

Professor Dieter Schonwetter

Artificial intelligence is transforming dentistry and healthcare, yet gaps in awareness, understanding, and adoption persist. This session at Brescia 2025 explores the AI knowledge landscape among students and professionals, highlighting key findings from recent studies and a live interactive survey. What do future healthcare leaders need to know? How can academia adapt to bridge these gaps? Join us for a data-driven discussion on the challenges, opportunities, and next steps in integrating AI into professional education and practice.

Dr. Claire C. McCarthy

The Use of Artificial Intelligence to Create Resources to Support Oral Hygiene Education in the Undergraduate Curriculum: A Pedagogical Perspective

This session explores the use of artificial intelligence (AI) to enhance oral hygiene education within the undergraduate dental curriculum. It focuses on the development of a structured, single-page chairside toolkit designed to support students during patient interactions. The AI tool was guided by a combination of behavioural science constructs, clinical technique parameters, and language derived from real clinical scenarios. These inputs enabled the creation of a resource that promotes effective communication, patient engagement, and instructional clarity. The lecture will examine the pedagogical rationale behind using AI, the design process, and how the resource supports learning through scaffolding and real-time application. Finally, I will reflect on the educational value of this approach and consider its potential for broader implementation across clinical education.

Sandeep Klair

People dependent on a substance have poorer oral health compared to those who are not using drugs. This presentation aims to identify the many challenges this group encounter in seeking and receiving dental care. It is a review of the literature that addresses why these patients require particular professional awareness, support and readily accessible dental care, and how collaborative service strategies can not only improve oral health outcomes but may also lead to drug recovery.

Leon Bassi

Exploring Academic Career Pathways for Dental Therapists in the UK: Insights from Semi-Structured Interviews"

Dental hygienists and dental therapists play an integral role in oral healthcare, yet the academic pathways leading to professionalisation in these fields remain underdeveloped compared to other dental professions. As the demand for advanced clinical practice, research and teaching continues to grow, it is crucial to support the academic development of these professionals, fostering their ability to become the next generation of researchers, scholars, and Professors.

Mirandanet Panel

Professor Christina Preston: christina@mirandanet.ac.uk

Professor Linda La Velle: linda.lavelle@plymouth.ac.uk

Dr Susan Heightman: njsheightman@gmail.com

Tim Tarrant

Professor Preston will lead a group from the Mirandanet specialists where each panel member will each briefly present their perspective on AI. This will be followed by a short debate on key issues raised around teaching and learning.

Notes for Saturday Roundtable

Jointly led by Professor Barry Quinn and Professor Dieter Schoenwetter

AI Crossroads: Navigating Challenges, Shaping Solutions

Building on the insights and debates from Friday's sessions, this interactive roundtable discussion will tackle the most pressing AI challenges in health education and healthcare. Delegates will engage in small-group dialogues to explore ethical concerns, integration strategies, and future implications. A rapporteur from each group will present key takeaways, fostering collective problem-solving. The session will conclude with a synthesis of discussions, guiding the next steps for AI in education and practice. Join us as we transform conversation into action!

The Brescia Organising Team

Artists in Residence



Dr. Jenny Wright

Jenny completed her PhD at the University of the Arts London where she explored the role of drawing and drawing like activities within the field of medicine and medical education. Her work focussed on the haptic nature of surgery and observation of head, neck and ophthalmic anatomy. She used information from the EYESi ophthalmic simulator at Moorfields hospital London, where she was artist in residence and data from the HapTEL system at Kings' College London faculty of Dentistry, Oral and Craniofacial Sciences. Her ongoing research builds on her personal drawing practice, integrating observational drawings with images and videos of

microscopic cell samples with a particular focus on breast cancer and the evolution of scar tissue.

Jenny continues to work with artists and medics as part of the UK Drawing Research Network delivering talks online and publishing work with colleagues involved in biomedical visualisation. Her most recent work examines the growth of cells and was included in an international show of drawing in the Napa Gallery in Lapland.



Nigel Fleet

Nigel fleet obtained a BA (hons) at St Martins College (University of the Arts London) and has taught and lectured in Fine Art, Film and Photography since 1982. He has also taught in France, living for five years in Normandy, and as a result speaks French fluently. He continues to work collaboratively with colleagues giving lectures on 19th and 20th century film makers and photographers. He is a keen musician and cyclist. For his most recent photographic practice he has recorded lost and discarded objects which form accidental street art in areas of South East London and Northern European towns and

cities. These images he then selects for publications on ephemera and 'objets trouvés'.



Dr. Caroline Pankhurst

Dr Caroline Pankhurst graduated in dentistry from University College London Dental School and completed her training for entry onto the specialist list in oral microbiology. She was formerly a Clinical Senior Lecturer in Oral Microbiology at King's College London Dental Institute. She has published extensively in the fields of oral medicine, oral microbiology, and management of dental unit waterlines including two books on infection control namely "Control of Infection Guidelines for General Dental Practice" & "Basic Guide to Prevention and Infection Control in Dentistry". She is actively involved in postgraduate dental education and was a finalist in the e- Learning Awards 2012. She served two terms on the SAC in Medical Microbiology, Royal College of Pathologists. Caroline was a member of Editorial Boards of "Primary Dental Care" & BMC Oral Health, and is a past President of the BDA Metropolitan Branch. She served two terms as an elected member on the BDA Central Committee for Dental Academic Staff & is a Council member of the BDA Metropolitan Branch. She is a Trustee of two medical charities the Fungal Infection Trust and the Affordable Health Care Initiative

Grateful thanks also to **Professor Pat Reynolds** for her invaluable support and organising expertise

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<http://www.ncup.org.uk/>

