

ASSOC. PROF. ESTELLE BLANQUET

Science Education, University of Bordeaux, France



Estelle Blanquet is Associate Professor in Science Education at the University of Bordeaux and chair of the teaching commission of the French Physical Society. She trains primary and secondary school teachers to teach physics at the Bordeaux Teacher Training Institute. Her main areas of research are the appropriation of the scientific approach by Kindergarten and primary school pupils and their teachers (NoS) and the understanding of the relativity of movement under strong paradigmatic pressure.

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PROFESSOR DIETMAR HÖTTECKE

Department of Education, Hamburg University, Germany



Dietmar Höttecke is a Professor of Physics Education and Head of the Working Group of Physics Education. He studied physics and German language and literature before he earned his Ph.D. at the University of Oldenburg, Germany. He has also worked as a secondary school physics teacher. His main research interests are teaching and learning about “Nature of Science”, education for sustainable development, climate change education, science media literacy, judgment and decision-making in science education, and the role of language for learning and understanding.

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DR. Z. YASEMIN KALENDER

Physics and Astronomy Department, Rochester Institute of Technology, United States



Z. Yasemin Kalender is an Assistant Professor at the Physics and Astronomy Department at the Rochester Institute of Technology conducting physics education research. Her current research interests are student motivation, equity and diversity in physics at all levels, group work in lectures and lab courses, sense of agency in hands on learning spaces, and graduate teaching assistants' views and teacher identities.

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DR. WITTAYA KANCHANAPUSAKIT

Department of Physics, King Mongkut's University of Technology Thonburi, Bangkok, Thailand



Wittaya Kanchanapusakit is a Lecturer at the Department of Physics, King Mongkut's University of Technology Thonburi. They have research interests in theoretical physics and physics education. Since 2016, Wittaya has been working with gifted students as an active leader and coach for the International Young Physicists' Tournament (IYPT) and International Physics Olympiad (IPhO) for team Thailand.

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DR. ANTTI LEHTINEN

Department of Physics and Department of Teacher Education, University of Jyväskylä, Finland



Antti Lehtinen is a Senior Lecturer of Physics Education and has done research on science teacher education, inquiry-based science learning and teaching and the use of simulations in science teaching. His current main research interest is the development of physics instructional labs at the university level concentrating on e.g. the use of smart phones, the role and training of the teaching assistants and assessment and feedback of instructional labs. He is coordinating the European Union -funded project “DigiPhysLab” which concentrates on developing physics lab tasks suitable for distance learning.

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DR. PONGSKORN SAIPETCH

Witpoko Activities and Mahidol University International College, Thailand

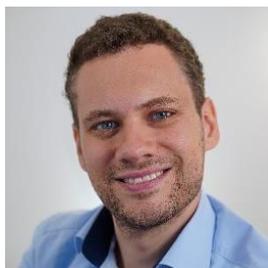


Pongsorn Saipetch is a science educator. After earning a Ph.D. in biomedical physics from UCLA in 1995, he was involved in numerous software development projects and startup companies for the next two decades. For over 15 years, he has been a lecturer in Scientific Research and Presentations at Mahidol University International College. He has been leading regular science activities for children 6-15 years old since 2010 and collects them at <https://witpoko.com>

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DR. SEBASTIAN STAACKS

Rheinisch-Westfaelische Technische Hochschule Aachen University, Germany



Sebastian Staacks is a Scientific Assistant at the RWTH Aachen University, Germany, where he also received his Ph.D. in solid state physics. He subsequently developed the physics education app “phyphox” and focused on developing digital tools to enhance physics education for all students as its lead developer. The open source app phyphox has achieved more than 3 million installs worldwide and has inspired volunteers to translate it into 17 languages or to act as ambassador in more than 40 countries.

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PROFESSOR I WAYAN SUAISTRA

Department of Physical Education, Ganesha University of Education, Indonesia



I Wayan Suastra is a Professor of Science Education at the Ganesha University of Education. He is the alumnus of the Indonesian University of Education. His education and research is focused on physics, ranging from guided inquiry learning and problem-based learning, to using technology and authentic assessment. His particular speciality is on situating local wisdom of Bali into physics education and their implications. He is also involved in investigating and implementing science programs in junior school on developing critical thinking about local cultural concerns.

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PROFESSOR AGUS SUYATNA

Physics Education Department, University of Lampung, Indonesia



Agus Suyatna is a Professor of Science Education at the University of Lampung, specialising in physics education. While his research in physics education is multifaceted, he has capitalised on his expertise in technology in physics education to optimize for online and remote teaching and learning during COVID-19. He has published on the specific topics of growing students science process skills, STEM-based physics multimedia and STEM-integrated flipped classrooms. He has also researched physics teachers perceptions and use of STEM approaches.

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DR. MARGARET WEGENER

School of Mathematics and Physics, Faculty of Science, The University of Queensland, Australia



Margaret Wegener is a Teaching-Focused Senior Lecturer in Physics at The University of Queensland, Australia. She is involved in physics education via teaching, professional service, and research. Her research in Physics Education aims to make physics accessible and meaningful to students. Major themes of her work are contextualisation of physics and the development of technology-enhanced and inquiry-based learning activities. Margaret is deeply interested in the interrelationships between science and art.

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ASSOC. PROF. KATE WILSON

School of Engineering and Information Technology, The University of New South Wales, Australia



Kate Wilson is an Education Focused academic and a member of the University of New South Wales Scientia Education Academy, Australia. She has a Ph.D. in Physics from Monash University, Australia, and has done research in computational physics and condensed matter physics, but most of her research has been on student learning and experience. Her current research interests include student learning, pedagogy, and curriculum development. Kate is co-author of an undergraduate physics textbook and four high school physics textbooks, and has also contributed to texts on chemistry and biology.

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