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Teacher in mathematics and mathematics education in the Ecole Normale Supérieure de Lyon, I was director of the EducTice team which is an interdisciplinary research team working on the use of technology in education. I am also president of the International Commission for the Study and Improvement of Mathematics Teaching which is an affiliated commission of ICMI (International Commission on Maths Instruction)

Education

2012: Qualification to the function of “maître de conférence” (associate professor)
2011: PhD in didactics of Mathematics, University of Lyon
2008: Master 2 didactics of mathematics, University of Lyon
1995: Agrégation in mathematics (82eme)
1995: Master degree in discrete mathematics
1976: CAPES of Mathematics
1973: IPES (teacher-student)

Employment history

2019- Retired...
2013- 2018 PRAG in École Normale Supérieure of Lyon
2011-2013 Research fellow at the French Institute for Education (Lyon, France)
2006-2011 Research fellow at the National Institute for Research in Education (Lyon, France)
1976-2011 Teacher of mathematics in high secondary schools
2001-2011 Assistant director of IREM of Lyon (Research Institute on Mathematics Education)

Recent Publications

- Aldon, G. (2021). Quanto è importante risolvere e far risolvere problemi?. *Didattica Della Matematica. Dalla Ricerca Alle Pratiche d'aula*, (10), 9 - 28.
<https://doi.org/10.33683/ddm.21.10.1>
- Aldon, G., Monod-Ansaldi, R., Nizet, I., Prieur, M. (2020). Modéliser les processus de collaboration entre acteurs de l'éducation et de la recherche pour la construction de savoirs, *Nouveaux Cahiers de la Recherche en Éducation*, 22-3.
- Aldon, G., Panero, M. (2020). Can digital technology change the way mathematics skills are assessed?. *ZDM Mathematics Education*, (7)-52:1333–1348 <https://doi.org/10.1007/s11858-020-01172-8>
- Robutti, O., Prodromou, T., Aldon, G. (2020). Teachers' involvement in Designing MERLO Items : Boundary Crossing, *Digital Experience in Mathematics Education*, Published on line: <https://rdcu.be/b7P5g>
- Aldon, G., Trgalova, J. (2019). *Technology in mathematics teaching*, Springer Nature Switzerland.
- Aldon, G. (2019). School guidance: a game for middle and high school students in *Proceedings of CIEAEM 71*, Braga, 22-26 July, 2019.

- Aldon, G., Arzarello, F., Panero, M., Robutti, O., Taranto, E., Trgalova, J. (2019). MOOCs for mathematics teacher education to foster professional development: design principles and assessment in Aldon & Trgalova (Eds) *Technology in mathematics teaching*, Springer Nature Switzerland, 223-252.
- Monod-Ansaldi, R., Aldon, G., Vincent, C. (à paraître, 2019). Objets frontières et brokering dans les négociations en recherche orientée par la conception, *Education & Didactique*.
- Aldon, G., Raffin, C. (2019). Mathematics learning and augmented reality in a virtual school in Prodromou (Ed.) *Augmented Reality in Educational Settings*, Brill Sense.
- Aldon, G. (2018). *Le rallye mathématique dans la classe : un jeu très sérieux*, Canopé-IREM de Lyon
- Aldon, G., Hitt, F., Bazzini, L. Gellert, U. (2017). *Mathematics and technology, a CIEAEM sourcebook*, Springer International Publishing, DOI 10.1007/978-3-319-51380-5
- Aldon, G., Trgalova, J. (2017). *Proceedings of the 13th International Conference on Technology in Mathematics Teaching*, Lyon 3-6 July, 2017, On line : https://ictmt13.sciencesconf.org/data/pages/proceedings_compressed_1.pdf
- Aldon, G., Front, M., Gardes, M.-L. (2017). Entre élaboration et usage, comment poser la question de la cohérence des ressources ?, *Education & didactique*.
- Aldon, G., Cusi, A., Morselli, F., Panero, & M., Sabena, C. (2017). Formative assessment and technology: reflections developed through the collaboration between teachers and researchers in Aldon, G., Hitt, F., Bazzini, L. Gellert, U. (Eds) *Mathematics and technology, a CIEAEM sourcebook*, Springer International Publishing, DOI 10.1007/978-3-319-51380-5
- Aldon, G., Durand-Guerrier, V., & Ray, B. (2017). Problems promoting the devolution of the process of mathematisation: an example in number theory and a realistic fiction in Aldon, G., Hitt, F., Bazzini, L. Gellert, U. (Eds) *Mathematics and technology, a CIEAEM sourcebook*, Springer International Publishing, DOI 10.1007/978-3-319-51380-5
- Aldon, G., Garreau, O. (2017). Un dispositif de recherche de problèmes de mathématiques au cycle 3, *Repères IREM*, 108, 26-40