

Sunday, June 19, 2022

TIME	EVENT
10:30 - 10:45	Welcome PhD Students - Welcome PhD Students
10:45 - 11:00	Presentation of the PhD Day - Ignasi Florensa
11:00 - 11:30	Coffee break
11:30 - 13:00	PhD Seminar Panel - PhD Seminar Panel
13:00 - 15:00	Lunch
15:00 - 16:30	PhD Seminar Contribution (Room 1 - Axis 1 & 3) - Marianna Bosch
16:30 - 17:00	Coffee break
17:00 - 18:30	Welcome - Welcome and registration of participants

Monday, June 20, 2022

TIME	EVENT
09:30 - 10:00	Welcome and registration - Welcome and registration
10:00 - 10:30	Opening session - Opening session
11:00 - 11:30	Coffee break
11:30 - 13:00	Plenary 1. (Y. Chevallard). What is questioning the world? Towards an epistemological and curricular break. (Room 1 - Axis 1 & 3) - Yves Chevallard
13:00 - 15:00	Lunch
15:00 - 16:10	Poster Contribution - Pedro Nicolás
15:00 - 15:10	› Is this object mathematical, para-, or proto-? A didactic application of the epistemological profile - <i>Koji Otaki, Hokkaido University of Education</i>
15:10 - 15:20	› How ATD concepts can contribute to develop didactic strategies and cognitive skills in teacher education to face the changes caused by the COVID-19 pandemic and other unpredictable events? - <i>José Vieira do Nascimento Júnior, Feira de Santana State University, Brazil</i>
15:20 - 15:30	› La théorie des rapports pour penser le "travail sur l'erreur" - <i>Elsa Puchaczewski, Université Toulouse II</i>
15:30 - 15:40	› OM relativas al Teorema de Pitágoras: descripción en términos de sus componentes y grado de completitud - <i>Yesica Eugenia Torres, EES N°5 - Verónica Parra, Núcleo de Investigación en Educación en Ciencia y Tecnología, Consejo Nacional de Investigaciones Científicas y Técnicas</i>
15:40 - 15:50	› La définition des probabilités: de quoi parle-t-on ? - <i>Marie-Hélène Lécureux-Tétu, Marie-Hélène Lécureux-Tetu, UMR EFTS - Clément Durringer, Durringer</i>
15:50 - 16:00	› Entering into questioning the world: a case of teaching Mathematics with primary school teachers-students - <i>Camila de Oliveira da Silva, Universidade Federal do Mato Grosso do Sul - Marilena Bittar, Universidade Federal do Mato Grosso do Sul</i>
16:00 - 16:10	› Study and research paths for teacher education within the pedagogical residence program in Brazil - <i>Ricardo Nicasso Benito, Federal University of Sergipe</i>
16:10 - 16:30	Coffee break
16:30 - 19:00	Axis 1: Development of the foundations, tools and aims of research in the framework of the ATD (Room 1 - Axis 1 & 3) - F.J. García & F. Wozniak
16:30 - 17:00	› On the theory of praxeologies - <i>Pedro Nicolas, University of Murcia, Faculty of Education</i>
17:00 - 17:30	› About the Mapping of Personal Practice Paths in the ATD - <i>Hamid Chaachoua, LIG, University of Grenoble Alpes</i>

TIME	EVENT
17:30 - 18:00	› Using ATD to enable strategic decisions in institutions: the case of the infrastructures at the Haute-Ecole Pédagogique du Valais. - <i>Julie Candy, Haute Ecole Pédagogique du Valais</i>
18:30 - 19:00	› Modélisation de parcours d'apprentissage adaptés à l'apprenant dans un EIAH - <i>Sébastien Jolivet - Laboratoire de Didactique André Revuz, IUFE - Université de Genève, Brigitte Grugeon-Allys - Laboratoire de Didactique André Revuz</i>
16:30 - 18:30	Axis 2: The Curriculum Problem and the paradigm of questioning the world (Room 2 - Axis 2) - A. Ruiz & H. Chaachoua
16:30 - 17:00	› Managing an SRP in secondary school: Which padlock is more secure? - <i>Susana Vásquez, Universitat de Barcelona</i>
17:00 - 17:30	› REI codisciplinar en matemática y microeconomía: resultados preliminares de su implementación en el nivel universitario argentino - <i>Velma Marina Benítez, Universidad Nacional de Misiones (UNaM) - Verónica Parra, Núcleo de Investigación en Educación en Ciencia y Tecnología, Consejo Nacional de Investigaciones Científicas y Técnicas</i>
17:30 - 18:00	› Enseñanza de Ecuaciones Diferenciales en el nivel terciario mediante un REI relativo a los contagios de COVID-19 - <i>Patricia Sureda, NUCLEO DE INVESTIGACION EN EDUCACION EN CIENCIA Y TECNOLOGIA, Universidad Nacional del centro de la Provincia de Buendo Aires</i>
18:00 - 18:30	› A practical approach to an SRP in university Statistics - <i>Laura Fernandez Ruano, Universitat Ramon Llull - IQS</i>
16:30 - 19:00	Axis 3: ATD and the professionalization of the teaching profession (Room 1 - Axis 1 & 3)
18:00 - 18:30	› Une AER comme implémentation du plan B de Klein pour l'intégrale - <i>Gaëtan Planchon, Institut Montpellierain Alexander Grothendieck - Thomas Hausberger, Institut Montpellierain Alexander Grothendieck</i>

Tuesday, June 21, 2022

TIME	EVENT
09:30 - 11:00	Axis 2: The Curriculum Problem and the paradigm of questioning the world (Room 2 - Axis 2) - V. Parra & R. Hochmuth
09:30 - 10:00	› Modelling inquiry in ATD: a framework to capture and analyze the chronogenesis and mesogenesis of an inquiry process - <i>Jana Lackova, Didactique des mathématiques, Université de Genève</i>
10:00 - 10:30	› Teachers' perspective of mathematical analysis with Q&A maps - <i>Matija Bašić, Faculty of Science, University of Zagreb - Željka Milin Šipuš, Faculty of Science, University of Zagreb</i>
10:30 - 11:00	› Teaching Circular Motion according Antropological Theory of Didactic - <i>Alexandre Aparecido, Federal University of Uberlândia - Débora Coimbra, Federal University of Uberlândia</i>
09:30 - 11:00	Axis 3: ATD and the professionalization of the teaching profession (Room 1 - Axis 1 & 3) - T. Hausberger & I. Florensa
09:30 - 10:00	› Mathematical knowledge for the profession of upper secondary mathematics teaching - <i>Carl Winslów, University of Copenhagen = Københavns Universitet, University of Copenhagen</i>
10:00 - 10:30	› Identifying the logos block that composes para-didactic praxeology in mathematics lesson design: Case studies from pre-service teachers in Japan - <i>Toru Hayata, Department of Education, Naruto University of Education - Yusuke Shinno, School of Education, Hiroshima University - Akio Matsuzaki, Department of Education, Saitama University - Tatsuya Mizoguchi, Faculty of Regional Sciences, Tottori University</i>
10:30 - 11:00	› Study and Research Paths in teacher education: Naturalization of knowledge as a constraint to questioning the knowledge to be taught - <i>Heidi Strømskag, Norwegian University of Science and Technology [Trondheim]</i>
11:00 - 11:30	Coffee break - Poster session
11:30 - 13:00	Axis 1: Development of the foundations, tools and aims of research in the framework of the ATD (Room 1 - Axis 1 & 3) - Y. Matheron & K. Otaki
11:30 - 12:00	› D'un modèle didactique de référence pour la position de professeur - <i>Michèle Artaud, SFÈRE-Provence, Apprentissage, Didactique, Evaluation, Formation, Aix-Marseille Université</i>

TIME	EVENT
12:00 - 12:30	› La TAD et l'étude des questions didactiques et pédagogiques face aux situations sociales de transformation qui ne cessent de travailler et de renouveler les sociétés humaines - <i>Caroline Ladage, Aix-Marseille Université, ADEF UR 4671</i>
12:30 - 13:00	› Studying, learning and mesogenesis at the light of the theory of relations - <i>Jean-Pierre Bourgade, Université Toulouse - Jean Jaurès</i>
11:30 - 13:00	Axis 2: The Curriculum Problem and the paradigm of questioning the world (Room 2 - Axis 2) - M. Bosch & I. Florensa
11:30 - 12:00	› About the Use of QA-Maps in the Development of Lesson Plans by Student Teachers - <i>Reinhard Hochmuth, Leibniz Universität Hannover, Institut für Didaktik der Mathematik und Physik - Jana Peters, Leibniz Universität Hannover, Institut für Didaktik der Mathematik und Physik</i>
12:00 - 12:30	› A study and research path on hyperthermia in children left in parked cars - <i>Vegard Toppfol, Norwegian University of Science and Technology [Trondheim]</i>
12:30 - 13:00	› Study of asymptotes in calculus in mathematics textbooks for general upper secondary education in Croatia - <i>Ana Katalenić, Faculty of Education, University of Osijek, Croatia</i>
13:00 - 15:00	Lunch
15:00 - 16:30	Plenary 2 (J. Gascón) Problematic questions around the didactic paradigms. (Speech in Spanish) (Room 1 - Axis 1 & 3) - Josep Gascón
16:30 - 17:00	Coffee break
17:00 - 19:00	Axis 1: Development of the foundations, tools and aims of research in the framework of the ATD (Room 1 - Axis 1 & 3) - M. Bittar & M. Artaud
18:00 - 18:30	› Practical memory and positional and formative pathways - <i>Yves Matheron, Yves MATHERON</i>
17:00 - 18:30	Axis 2: The Curriculum Problem and the paradigm of questioning the world (Room 2 - Axis 2) - C. Ladage & F.J. Gascía
17:00 - 17:30	› A praxeology of the Hough transforms in the mathematical education of engineers - <i>César Molina, Instituto de Investigación sobre Enseñanza de las Matemáticas-PUCP - Cintya Gonzales, Instituto de Investigación sobre Enseñanza de las Matemáticas-PUCP</i>
17:30 - 18:00	› Pour une nouvelle approche de l'équivalence quantitative - <i>Anne-Marie Rinaldi, Laboratoire Interdisciplinaire de Recherche en Didactique, Éducation et Formation</i>
18:00 - 18:30	› Un modèle praxéologique de référence pour des praxéologies mixtes dans des tâches de programmation - <i>Hamid Chaachoua, LIG, University of Grenoble Alpes</i>
17:00 - 19:00	Axis 3: ATD and the professionalization of the teaching profession (Room 1 - Axis 1 & 3) - M. Bittar & M. Artaud
17:00 - 17:30	› Teaching from questions: the influence of the institutional position - <i>MARIA RITA OTERO, Universidad Nacional del Centro de la Provincia de Buenos Aires, CONSEJO NACIONAL DE INVESTIGACIONES CIENTIFICAS Y TECNOLOGICAS, NUCLEO DE INVESTIGACION EN EDUCACION EN CIENCIA Y TECNOLOGIA - Maria Paz Gazzola, Universidad Nacional del Centro de la Provincia de Buenos Aires [Buenos Aires], Núcleo de Investigación en Educación en Ciencia y Tecnología - Viviana Carolina Llanos, Universidad Nacional del Centro de la Provincia de Buenos Aires, CONSEJO NACIONAL DE INVESTIGACIONES CIENTIFICAS Y TECNOLOGICAS, NUCLEO DE INVESTIGACION EN EDUCACION EN CIENCIA Y TECNOLOGIA</i>
17:30 - 18:00	› La recherche collaborative comme institution abritant des systèmes de recherche : Le cas d'un projet en résolution de problèmes mathématiques - <i>Cécile Redondo, UFR ALLSH, Laboratoire Apprentissage, Didactique, Evaluation, Formation - Michèle Artaud, SFÈRE-Provence, Apprentissage, Didactique, Evaluation, Formation, Institut Universitaire de Formation des Maîtres - Aix-Marseille</i>
18:30 - 19:00	› Análisis de un REI-FP sobre los conocimientos lógicos en la formación matemático-didáctica inicial de maestros - <i>Berta Barquero, Universitat de Barcelona, Universitat de Barcelona</i>

Wednesday, June 22, 2022

TIME	EVENT
09:30 - 11:00	Plenary 3 (K. Otaki) The paradidactic: a theory of noospheres. - Koji Otaki

TIME	EVENT
11:00 - 11:30	Coffee break
11:30 - 13:00	Axis 1: Development of the foundations, tools and aims of research in the framework of the ATD (Room 1 - Axis 1 & 3) - B. Jessen & J. Gascón
11:30 - 12:00	› Teachers' epistemic ethos and mathematical modelling teaching - <i>Floriane Wozniak, université de Toulouse Jean Jaurès, EFTS: Education, formation, travail, savoir.</i>
12:00 - 12:30	› Is it the same twelfth? Questioning an unquestioned principle - <i>Christine CHAMBRIS, Laboratoire de Didactique André Revuz EA 4434</i>
12:30 - 13:00	› Didactic Transposition Circle: A proposal for complementing an essential tool of ATD - <i>Dániel Katona, ELTE Eötvös Loránd University, Alfréd Rényi Institute of Mathematics, Hungarian Academy of Sciences</i>
11:30 - 13:00	Axis 2: The Curriculum Problem and the paradigm of questioning the world (Room 2 - Axis 2) - J. Candy & N. Ruiz-Munzón
11:30 - 12:00	› The questions-answers dialectic in accounting teaching: a case study - <i>Monica Martínez-Blasco, IQS School of Management. Universitat Ramon Llull</i>
12:00 - 12:30	› Transpositive phenomena at the interface between mathematics and physics: the case of quantum mechanics - <i>Nathan Lombard, Institut Montpellierain Alexander Grothendieck</i>
12:30 - 13:00	› Propuesta de un REI para la formación matemática de ingenieros - <i>Pedro Vivas, Departamento de Didáctica de las Matemáticas Universidad Complutense de Madrid - Tomás Sierra, Universidad Complutense de Madrid</i>
13:00 - 15:00	Lunch
15:00 - 16:30	Axis 2: The Curriculum Problem and the paradigm of questioning the world (Room 2 - Axis 2) - B. Barquero & I. Florensa
15:00 - 15:30	› Textualization and Educational Reforms: analysis of a praxeology in the last eighty years. - <i>Viviana Carolina Llanos, Universidad Nacional del Centro de la Provincia de Buenos Aires [Buenos Aires], Argentina Núcleo de Investigación en Educación en Ciencia y Tecnología [Tandil], Consejo Nacional de Investigaciones Científicas y Técnicas [Buenos Aires] - María Rita Otero, Consejo Nacional de Investigaciones Científicas y Técnicas [Buenos Aires]</i>
15:30 - 16:00	› L'analyse a priori comme outil de recherche complémentaire pour comprendre le fonctionnement des systèmes d'enseignement - <i>Hamid Chaachoua, Laboratoire d'Informatique de Grenoble</i>
16:00 - 16:30	› Media and milieu dialectics and new resources available for students - <i>Britta Eyrich Jessen, Dept. of Science Education, University of Copenhagen</i>
15:00 - 17:00	Axis 3: ATD and the professionalization of the teaching profession (Room 1 - Axis 1 & 3) - K. Markulin & M. Basch
15:00 - 15:30	› Creando Recorridos de Estudio e Investigación para la Formación de Profesorado Universitario en Ciencias Sociales: Dispositivo ProfessorLab Marketing - <i>Noemí Ruiz-Munzon, Escola Superior de Ciències Socials i de l'Empresa-Tecnocampus, Universitat Pompeu Fabra. - Alexandra Masó-Llorente, Escola Superior de Ciències Socials i de l'Empresa-Tecnocampus, Universitat Pompeu Fabra. - Alexandra Samper-Martínez, Escola Superior Politècnica-Tecnocampus, Universitat Pompeu Fabra</i>
15:30 - 16:00	› Statistics teacher education at secondary school level in the paradigm of questioning the world - <i>Verbisck Janielly, Universidade Federal de Mato Grosso do Sul, Facultat d'Educació, Universitat de Barcelona</i>
16:00 - 16:30	› How did the Croatian noosphere respond to the problem of the shortage of mathematics teachers? - <i>Jelena Pleština, University of Split, Faculty of Science, Department of Mathematics, Jelena Pleština, Matija Bašić, Željka Milin Šipuš and Nikola Koceić-Bilan</i>
18:00 - 20:00	Barcelona - "Modernisme" Passeig de Gràcia Highlights - The tour will be in Barcelona. Starting point Barcelona Plaça Catalunya Station
20:30 - 22:30	Gala Dinner

Thursday, June 23, 2022

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TIME	EVENT
10:00 - 11:00	Conclusions of the groups - Plenary session
11:00 - 11:30	Coffee break
11:30 - 13:00	Closing Ceremony - Organising Comitee



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