THE 10'TH INTERNATIONAL CONGRESS ON MATHEMATICAL EDUCATION

TSG 10

Research and development in the teaching and learning of geometry

Selection of Abstracts for Expected Papers

Transformation Geometry in Primary School According to Michel Demal

Charlotte Bouckaert, UREM ULB

Using Minkowskian Geometry as an Introduction to Non-Euclidean Geometries

Bjørn Felsager, Haslev Gymnasium & HF, Denmark

Mathematical Rationality and Semiotic Mediation in the Field of Experience of Geometric Transformations

Mario A. Giordano M., UPN, Mexico

Competing Discourses that Justify the Geometry Course: What Was New in the Twentieth Century?

Gloriana González, Patricio G. Herbst, University of Michigan

Cabri within the System

Francisco López Hernández, Gustavo Tapia Sánchez, Natividad Nieto Saldaña, Antonio Antolín Fonseca, Universidad Autónoma de Ciudad Juárez, Mexico

Engaging Mathematics Teachers in Mathematical Research through Problem Posing and Problem Solving in a Geometry Environment

Armando M. Martinez Cruz, California State University
Fullerton & Jose Contreras, The University Of Southern Mississippi

The Development of Geometrical Thinking of Lebanese Learners between 11-15 Years of Age

Naim El-Rouadi, University Of Balamand, Faculty Of Arts And Social Sciences Department Of Education, Lebanon

Geometry in context at the primary level : using the environment as a starting point

Nancy Vézina, Faculty of Education, University of Ottawa, Canada Lucie DeBlois, Faculté des sciences de l'éducation, Université Laval, Canada

From Myth to Reason to Science: the Evolution of Geometrical Thought in Ancient Greece.

Antonio Antolín Fonseca, Universidad Autónoma de Ciudad Juárez, México

Drama in Teaching and Learning of Geometry

Asuman Duatepe, Hacettepe University, Ankara & Behiye Ubuz, Middle East Technical University, Ankara

Didactic Simulation in Geometry

Milan Hejny & Nada Stehlikova

The Conceptual Tools of Euclidean and Dynamic Geometry Environments

Francis Lopez-Real & Allen Leung, The University of Hong Kong

Geometrical Pre-Conception in Third Grade Pupils

Marchini, Carlo & Rinaldi, Maria Gabriella Mathematics Department, University of Parma - Italy

On False Convictions Concerning Geometric Transformations of the Plane In Mathematics Students' Reasoning

Bozena Pawlik, Institute of Mathematics, Pedagogical University Podchorazych 2, 30-084 Cracow, POLAND.

ADOPTING CINDERELLA AND SPHERICAL SKETCHPAD AS EXPLORATORY TOOLS: SOME REFLECTIONS ON MOTIVATING FACTORS

Margaret P. Sinclair, York University

Student's Development of Geometrical Concepts through a Dynamic Learning Environment Isil ÜSTÜN and Behiye UBUZ, Middle East Technical University, Ankara

Skills of Generalization in Learning Geometry: Are the Students Ready to Use Them?

Oleksiy Yevdokimov, Kharkov State Pedagogical University, Ukraine

A Triangle and Angle Story

C. T. Zahn

How experiences from physical activities in snow can influence a twelve- year-old's learning of geometry

Anne Birgitte Fyhn, Department of Learning and Teacher Education (PLP), University of Tromsø, Norway