

## **Rolling of projective planes with $G_2$ -symmetry**

Gil Bor, CIMAT

I will report on several interrelated apparently new geometric interpretations of the well-known Cartan-Engel (2,3,5) distribution with symmetry algebra of type  $G_2$ . One of the interpretations is a projective geometric analog of rolling of riemannian surfaces. This is joint work with Luis Hernandez and Pawel Nurowski.