



**13th INTERNATIONAL WORKSHOP ON  
REAL & COMPLEX SINGULARITIES  
SCHOOL ON SINGULARITY THEORY**  
Celebrating the 60th birthday of Carmen Romero Fuster

This is to certify that

**Edgar Leonardo Villarreal Gonzalez**

participated in the School on Singularity Theory, held in São Carlos, Brazil, from 4<sup>st</sup> to 8<sup>th</sup> August 2014, at the Instituto de Ciências Matemáticas e de Computação, of the Universidade de São Paulo.

São Carlos, August 8, 2014.



Ana Claudia Nabarro  
Conference Organizer



WORKSHOP ON REAL & COMPLEX SINGULARITIES (July 27th - August 1st 2014)

Mini-course 1

A walk in the world of perverse sheaves

Brasselet, J. P. (teaching load: 3 hours)

SCHOOL ON SINGULARITY THEORY (4th - 8th August 2014)

Mini-course 2

Analytic classification of plane branches: an algebraic viewpoint

Escudeiro M. (teaching load: 6 hours)

Mini-course 3

Theory of wave front propagations and Lorentz differential geometry

Izumiya, S. (teaching load: 6 hours)

Mini-course 4

Non-isolated hypersurface singularities, stratifications and Lê cycles

Massey, D. (teaching load: 6 hours)

Mini-course 5

Milnor's fibration theorems revisited

Seade J. and Cisneros J. L. (teaching load: 6 hours)