



AMERICAN
UNIVERSITY OF BEIRUT
CENTER FOR ADVANCED
MATHEMATICAL SCIENCES



AMERICAN
UNIVERSITY OF BEIRUT
FACULTY OF ARTS & SCIENCES
Department of Mathematics



FRANCINE MEYLAN

The University of Fribourg, Switzerland

Francine Meylan graduated in Mathematics from the University of Lausanne (Switzerland) in 1975 and received a Faculty Prize for her results. She decided to postpone a career in research to raise her four young children (born 1977, 1979, 1983 and 1987) and taught part-time in middle and high school. In 1988, while accompanying her husband in San Diego (USA) for an academic stay, she took the opportunity to enroll in the Ph.D. program of the UCSD Mathematics Department. She earned her Ph. D. in 1992, at the age of 38, under the supervision of Salah Baouendi. Upon her return to Switzerland, she resumed teaching at the middle school, high school and university level. She has ever since pursued a research activity and was conferred the Privatdozentin title by the University of Fribourg (Switzerland) in 1999. She has been supported by the SNF (Swiss National Foundation) for many years and is now a jury member for the MINT Label (Mathematik, Informatik, Naturwissenschaften und Technik) in Bern (Switzerland). This organization promotes Science, Technology, Engineering and Mathematics in middle and high schools.

CAMS-MATHEMATICS SEMINAR: ON EXOTIC SYMMETRIES OF HOMOGENEOUS SUBMANIFOLDS

TUESDAY, NOVEMBER 29, 2022 | 11:00 AM

BLISS HALL - ROOM 206

In this talk, we discuss some recent results regarding the real-analytic infinitesimal CR automorphisms of a generic homogeneous submanifold for which 2-jet determination does not hold. More precisely, we discuss the finite type model hypersurface case, for which we provide an explicit description of such "exotic" symmetries in complex dimension three. We then discuss the (Levi) nondegenerate higher codimension case. This is a joint work with Martin Kolar for the finite type model hypersurface case, and Jan Gregorovic for the nondegenerate higher codimension case.

CAMS PUBLIC LECTURE: A JOURNEY THROUGH COMPLEX ANALYSIS

WEDNESDAY, NOVEMBER 30, 2022 | 4:00 PM

COLLEGE HALL – AUDITORIUM B1

In this talk, we want to focus on an important Theorem in Complex Analysis due to Henri Cartan: «Cartan's Uniqueness Theorem» that was published in 1931. It will give a way to illustrate how holomorphic maps differ from smooth maps. But first, we will start by giving a brief introduction that will include, among other things, some historical perspective and all the needed definitions.

CAMS-MATHEMATICS SPECIAL TALK: TEACHING HIGH SCHOOL STUDENTS WHILE DOING RESEARCH

TUESDAY, NOVEMBER 29, 2022 | 6:30 PM

COLLEGE HALL – AUDITORIUM B1

This is an informal talk about my experience of being a High School/College Teacher while teaching at the University of Fribourg and pursuing research.