

## RÉSUMÉ

### *JOCELYN B. PEDDER*

Jocelyn Pedder has over 25 years experience in the field of impact biomechanics and the evaluation of injury control systems.

From 1975-1982, Dr. Pedder was a Research Fellow at the Accident Research Unit, University of Birmingham, England, where she was involved in the on-site investigation of pedestrian collisions and later specialised in the study of motorcycle crashes and trauma. She worked with medical practitioners and coroners in the examination of injuries (both fatal and non-fatal) and the interpretation of the impact circumstances. At this time, she developed a special interest in the potential of injury control systems.

While working for Biokinetics & Associates Ltd. from 1983-1992, Dr. Pedder was involved in a number of research projects in the development and evaluation of protective systems and standards for various applications. These included the new crowd control helmet and standard, and the validation of a Belt-fit Test Device (BTD) to measure seat belt geometry.

In 1992, Dr. Pedder established her own company RONA Kinetics and Associates Ltd. in North Vancouver, Canada where her work in the field of safety research, injury prevention and protective systems continues. At RONA Kinetics she has been involved in such projects as the development of the Head Restraint Measuring Device for the Insurance Corporation of British Columbia, helmet wearing regulatory efforts, the development of a usability rating system for child restraints, collision investigation studies and the effectiveness of injury prevention devices such as helmets, child restraints, seat belts and airbags. The focus of her current work is in the field of impact biomechanics and efforts aimed at increasing the proper use of safety equipment to reduce the risk of road trauma in motor vehicle collisions.

Dr. Pedder is also team coordinator and actively involved in the collision and defect investigation work in B.C. for Transport Canada. The main aim of the collision investigation work is to monitor the performance of the Canadian Motor Vehicle Safety Standards in actual collisions. This includes those related to occupant protection as well as crash avoidance systems.

Dr. Pedder is actively involved in several national and international technical committees and efforts to update safety standards and regulations to better reflect current knowledge. She has given lectures on traffic safety, collision investigation and related trauma issues to a variety of audiences.