

CURRICULUM VITAE

PERSONAL DATA

NAME: Daniel Arturo Ramirez Ahedo		
DATE OF BIRTH: December 11 th , 1967	BIRTHPLACE: Guanajuato	TELEPHONE: + 52 (442) 211 0500, Ext. 3752

EDUCATION

Mechanical Engineer	Degree Awarded
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OTHER STUDIES

Master in Science (Mechanical Design)	Degree Awarded
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PROFESSIONAL EXPERIENCE IN METROLOGY

PERIOD	RESPONSIBILITIES
1994 – 1995	Responsible substitute of the Force Transfer Standards Laboratory
1995 – 1996	Responsible of the Force Transfer Standards Laboratory
1996 - 1998	Responsible of the Torque Transfer Standards Laboratory
1996 - 1997	Responsible for the design, build up, and set up of the national torque standard machine
1998 – 2004	Responsible of the Dead Weights Machines in the Force Laboratory
1996 - Currently	Responsible for update of courses for force and for torque
1997 - Currently	Technical assessor for force and torque laboratories accreditation
1998 - Currently	Responsible for spread sheet update for force and torque uncertainty calculation
2000 - Currently	Coordinator of the Force and Torque Group

TRAINING IN METROLOGY

EVENT OF TRAINING	VENUE	PERIOD
Training at PTB in the Torque laboratory.	Physikalisch Technische Bundesanstalt, Braunschweig, Germany	(1 ½ month) 1995, 1997, 2000, 2002.
5 th Training Workshop on Measurement Technology for Developing Countries.	National Institute of Metrology (NIM), China.	1998.
Geometric and dimensional tolerances	CENAM, Queretaro	2001
Training Course of Mass Metrology	CENAM, Queretaro	1999
15 th IMEKO International Conference (Accuracy, assurance in force, torque and mass measurements)	Centro Español de Metrología, Madrid, España.	1996
Strain Measuring Systems.	Micro Measurements, Vishay, Raleigh North Caroline, U.S.A.	1994
Operation, set up and maintenance of Morehouse Instruments Company Universal Calibration Machines, Dead Weight Calibration Machines, and Proving Rings.	Morehouse Instruments company, in CENAM Queretaro	1994
Training Course of Mechanical Measurements: Force, Pressure, Mass, and Hardness.	Sistemas de Metrología (SIMET), Irapuato.	1994
Training Course of Force and Hardness Metrology.	CIDESI, Queretaro	1994

ADVISORY, TALKS GIVEN AND IMPARTED COURSES IN METROLOGY

TITLE	NUMBER
Advisory	45
Force Metrology	25



Mexico		Force and Pressure Metrology Division
Torque Metrology		20
Talks		<u>8</u>
Force Metrology		5
Torque Metrology		3
Courses		<u>23</u>
Force Metrology		10
Torque Metrology		8
Basic of Metrology and Uncertainty in Measurements		5

PAPERS, PUBLICATIONS AND PATENTS

Papers		<u>17</u>
Force metrology		10
Torque metrology		7
Publications		First Edition
Technical publications (50 pages o more) on sale at CENAM's library: 1) Torque Metrology		December 1999

LANGUAGES

Advanced English

SOFTWARE

Autocad, Solid Edge, ANSYS (FEM).

OPERATION OF MEASURING EQUIPMENT

Force and torque measurement standards and machines

OTHERS

Participation in several national and international comparisons in force and torque.
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