

Roberto Salas
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Profile

A Faculty Professor, working under the learner centered educative model, and under "learning by doing" scheme since 1981. Professional experience System Manager at various Mexican companies, working training programs for employees of all levels. Also with engineering experience in planning, designing and implementing technologies for water wells.

Education

Master in Education, CETYS Universidad, 2008.

Concentration: e-Learning and computer assisted techniques.

Thesis: Implementing a Physics Course under e-Learning.

B.E., Physicist, Universidad Nacional Autónoma de México, México, D. F.

Concentration: Theoretical Physics.

Thesis: Mesoscopic Diffusion.

Experience

1. Director of the Engineering School and Fulltime Faculty, 2007 to date.

CETYS University. Tijuana Campus.

Main duties: School budget, Teacher enrollment, Student enrollment, Faculty development, Curriculum Design, Strategic Planning of the School, Institutional Accreditation support, Learning Assessment, and Teaching.

Major accomplishments:

- * Completion of a consistent program of Academy development.
- * Program of integration regarding learning outcomes.
- * Consistent attention to the requirements of students, parents and teachers.
- * Help the implementation the new academic structure in compliance of a Balance Scorecard System for the whole university.
- * Important contributor in the attention to WASC recommendations.

2. Fulltime Faculty, 2002-2007.

Tijuana Campus of CETYS University System.

Teaching: Physics, Mathematics, Electric Circuits, Calculus, Differential Equations.

Director's assistant: Mechtronics program implementation.

Implementation of Engineering tutorial program.

3. Systems Manager 1986-2001

Mexican Companies: Textile, Construction of Wells, Pneumatic Conveying.

- Implementation of local area networks.
- Programs for engineering computer assisted design.

4. Professor, 1981-2001

Universidad La Salle.

Universidad Nacional Autónoma de México.

Other.

Publications

Books and monographs

1. Salas, Roberto. Mesoscopic Diffusion. México, DF. 1983.

Articles and essays

1. Los Encuentros Familiares en las Instituciones de Educación Superior (2006). Proceedings of Segundo Encuentro Nacional de Tutorías.

Presentations and consulting activities

1. Engineering uses of Partial Differential Equations. CETYS Universidad.
2. Bioethics. CETIS 58.
3. Nanotechnologies. CETIS 58.
4. Los Encuentros Familiares en las IES. Monterrey, NL.
5. Necesidades de Información del Siglo XXI, CANACINTRA, Tecate.

Skills and qualifications

- Fluent in Spanish and English.
- Microsoft Office, Visual Studio, Internet, Blackboard.

Professional affiliations

- Sociedad Mexicana de Física, since 2005.

References

Excellent references available upon request.