

CHITO F. SACE



Agricultural Engineer; Associate Professor 3

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Telephone: +63 (044) 4560-927; Mobile: +63 09192260093
Birthday : February 27, 1959
Sex : Male
Height : 161 cm
Citizenship: Filipino

RESEARCH INTEREST

Design, installation, operation and maintenance of automated hydroponics system, pressurized irrigation system and tropical greenhouse; butterfly gardening

EDUCATIONAL BACKGROUND:

GRADUATE 2001-2008	:	Central Luzon State University
Address	:	Muñoz, Nueva Ecija 3120 Philippines
Course	:	Ph D in Agricultural Engineering
Dissertation	:	Water Management System for Honeydew Melon (<i>Cucumis melo</i> L.) Production Grown in Hydroponic System under Greenhouse Condition
1996-1999	:	Central Luzon State University
Address	:	Muñoz, Nueva Ecija 3120 Philippines
Course	:	Master of Science in Agricultural Engineering
Thesis	:	Design and Evaluation of a Low-cost Automatic Control Device for Pressurized Irrigation System
COLLEGE 1977-1982	:	Central Luzon State University
Address	:	Muñoz, Nueva Ecija 3120 Philippines
Course	:	Bachelor of Science in Agricultural Engineering
Thesis	:	Performance and Cost Analysis of Different Harvesting-threshing Practices in CLSU
Education Units	:	San Jose Colleges
	:	San Jose City, Nueva Ecija, Philippines
	:	Bachelor of Science in Education

AWARD OF DISTINCTION

Awardee Business Fellowship (Agriculture) 2002. Australian-New Zealand Chamber of Commerce in the Phils, (study tour on Greenhouse Horticulture and Hydroponics Technology; University of Newcastle, NSW, Australia, October 17 to November 8, 2003)

PUBLICATIONS:

- 1. Performance and Cost Analyses of Different Harvesting and Threshing Practices in CLSU**, Philippine Agricultural Engineering Journal, Vol. 8(4). 1982. Manila, Philippines.

- 2. Design and Evaluation of a Low-cost Automatic Control Device for Irrigation System**
 - 2.1 Philippine Society of Agricultural Engineering Journal, Vol. 28(3). Manila, Philippines
 - 2.2 Proceedings of the **18th** Conference of ASEAN Federation of Engineering Organizations. Vietnam Union of Science and Technology Associations, Hanoi, Vietnam
 - 2.3 Proceedings of 14th Memorial CIGR World Congress, Tsukuba City, Japan, November 28–December 1, 2000.
 - 2.4 Proceedings of International Commission on Irrigation and Drainage, 19th European Regional Conference, Ministry of Agriculture, Prague, Czech Republic
 - 2.5 Philippine Agricultural Mechanization Bulletin, AMDP-IEA, UPLB, College, Laguna, Philippines

- 3. Pressurized Irrigation System (PIS) for Improved Water Management and Productivity**, Proceedings of the 52nd Annual Convention, April 22-26, 2002, Asiaworld Resort Hotel, Puerto Princesa, Palawan, Philippines

- 4. Greenhouse Economics.**
 - 4.1 Proceedings of the 7th Annual convention of Philippine Society of Soil Science and Technology, May 19-21, 2004, Benguet State University, La Trinidad, Benguet, Phils.
 - 4.2 Philippine Agricultural Mechanization Bulletin. Vol.XIV (1). Institute of Agricultural Engineering, College of Engineering, Los Banos, Laguna.

INTERNATIONAL TRAININGS/SEMINARS/CONFERENCES:

- 1. Participant** 13th International Postgraduate Course in CROP WEATHER MODELING, Bet Dagan, Israel: 13 March – 12 April 2000.
- 2. Presenter/ Participant:** 18th Conference of ASEAN Federation of Engineering Organizations. November 22-24, 2000, Hanoi, Vietnam
- 3. Participant** Advanced Research on Soilles Culture Technology, August, 20-31, 2001, Beijing, Peoples Republic of China
- 4. Participant** Advanced Leadership Seminar, Haggai Institute, April 11- May 5, 2006, Regional Language Center, Singapore.

5. **Participant** Orientation Course for New Staff Workers, Tapah, Malaysia, Aug 6-25, 2007
6. **Facilitator** 5th International Student Camp, Tapah, Malaysia, December 26-January 4, 2008

NATIONAL TRAININGS/SEMINARS PARTICIPATED:

1. **Participant** First Philippine International Conference and Exhibition on Agricultural Engineering and Related Technologies; March 22-26, 1996; PSAE; CLSU, Muñoz, Nueva Ecija, Philippines
2. **Participant** Fertilizer and Pesticide Authority Accreditation for Agriculture Graduates (Pest Management and Safety); January 30, 1996 – February 2, 1996; Olangapo City, Philippines
3. **Participant** Enrichment Training Program for Secondary Physics Teachers; April 21- May 30, 1997; CLSU, Muñoz, Nueva Ecija, Philippines
4. **Participant** 3rd International Conference and Exhibition On Agricultural Engineering and Related Technologies and the 50th Phil. Society of Agricultural Engineering Annual National Convention, April 25-28, 2000, Manila Midtown Hotel, Manila, Philippines
5. **Resource Speaker** Training on Development Journalism, CLSU, Science City of Muñoz, Nueva Ecija, Philippines, August 14-16, 2001
6. **Resource Speaker** Training on “Precision Irrigation Systems for High Productivity and Efficient Water Management”. Educating Water Users for the El Niño Phenomenon, CLSU, Science City of Muñoz, Nueva Ecija, Philippines, 4-6 Sept. 2002
7. **Resource Speaker** Training on “Precision Irrigation Systems for High Productivity and Efficient Water Management”, Educating Water Users for the El Niño Phenomenon, CLSU, Science City of Muñoz, Nueva Ecija, Philippines, Oct. 2002
8. **Resource Speaker** Training on “Mga Modernong teknolohiya ng Pantigon Sa El Niño: wastong Pagpapatubig, Pagbabagu-bago ng Pananim at Paggamit ng Greenhouse.” CLSU, Science City of Muñoz, Nueva Ecija, Philippines, Nobyembre 25-27 2002

PAPERS PRESENTED:

A. Title of paper presented: “Design and Evaluation of a Low-cost Automatic Control Device for Irrigation System”

1. **Paper presenter:** National Statistics Month; Theme: “Statistical Research, Training and Education – Charting the Course of the New Millennium”; October 15, 1999; University of the Philippines, Diliman, Quezon City, Philippines
2. **Paper presenter:** 3rd Luzon Convention; Theme: “Educating Global Agricultural Engineers for the Third Millennium”; December 2-4, 1999; CLSU, Muñoz, Nueva Ecija, Philippines

3. **Paper presenter:** 13th International Postgraduate Course in CROP WEATHER MODELING, 13 March – 12 April 2000, Bet Dagan, Israel:
4. **Paper presenter:** 3rd International Conference and Exhibition on Agricultural Engineering and Related Technologies and the 50th Phil. Society of Agricultural Engineering Annual National Convention, April 25-28, 2000, Manila Midtown Hotel, Manila, Philippines
5. **Paper presenter** 18th Conference of ASEAN Federation of Engineering Organizations. November 22-24, 2000, Hanoi, Vietnam
6. **Paper presenter** 5th Annual Meeting and Symposium, Phil. Society of Soil Science and Technology, May 9-10, 2002, NTA-Philrice, Batac, Ilocos Norte, Philippines

B. Title: Pressurized Irrigation System (PIS) for Improved Water Management and Productivity; presented during the 52nd Annual Convention, April 22-26, 2002, Asiaworld Resort Hotel, Puerto Princesa, Palawan, Philippines

C. Title: Greenhouse Economics

1. Presented during the technical symposium as part of the Silver Anniversary of the Bureau of Post harvest Research and Extension, May 27, 2003, Science City of Muñoz, Nueva Ecija, Philippines
2. Presented during the “Greenhouse Seminar and Plant Tour” sponsored by NETAFIM PHILS, August 16 -17, 2002, Silang, Cavite, Philippines.
3. Presented during the 7th Annual convention of Philippine Society of Soil Science and Technology, May 19-21, 2004, Benguet State University, La Trinidad, Benguet, Phils

INNOVATIONS/DISCOVERIES (with pending patent applications):

1. **Soil-moisture-activated Automatic Control Equipment** – an automatic control device for pressurized irrigation systems that uses soil moisture as trigger mechanism.
2. **Pinoy Tropical Greenhouse** – a Quonset-type protected environment for growing crops in tropical climate

GOVERNMENT EXAMS PASSED:

1. Professional Board Exam for Teachers
Cabanatuan City, Nueva Ecija, Philippines, November 27, 1988
2. Agricultural Engineering Licensure Exam
Manila, Philippines, Sept. 27-29, 1984, RPAE License No. 002195
3. Professional Level Career Service Exam, Manila, Philippines, July 17, 1983
4. Subprofessional Level Career Service Exam
Caloocan City, Manila, Philippines, July 18, 1982

5. Accredited Professional Pesticide Adviser
Fertilizer and Pesticide Authority, ID No. RIII-NE92-96

WORK EXPERIENCE:

Associate professor 3:	Central Luzon State University
Address :	Muñoz, Nueva Ecija, Philippines
Agricultural engineer:	Royal Saudi Air Defense Force – EHD
Address :	Dharan, Kingdom of Saudi Arabia
Irrig.-Landscape Engr.:	Nehad Agronomy Services
Address :	Sultanate of Oman
Instructor	Central Luzon State University
Address :	Muñoz, Nueva Ecija
Agricultural technician:	Arab Supply and Trading Corp.
Address :	Tabouk, Kingdom of Saudi Arabia
Schoolteacher	Marinduque Institute of Science and Technology
Address :	Torrijos, Marinduque, Philippines
Sales engineer	Wismar Enterprises
Address :	Makati, MM, Philippines

ORGANIZATIONAL MEMBERSHIP:

Member	:	Philippine Society of Agricultural Engineers
Former VP	:	CLSU COCOFED Scholars Dev. Foundation Inc.
Member	:	CLSU Society of Engineering Alumni
Member	:	CLSU Faculty Club
Member	:	Philippine Association of Physics Instructors
Member	:	Philippine Society of Soil Science and Technology
Member	:	International Society of Lyophilization-Freeze Drying, Inc., State of Delaware, USA
Member, BOD	:	Community Harvest Multi-purpose Cooperative

OTHER INVOLVEMENTS

National Director	:	Youth Ministry, Scripture Union-Philippines
Lay Preacher	:	San Jose City Jail, Nueva Ecija, Philippines
Lay Preacher	:	Volunteer Probation Aide Program, Parole and Probation Administration, Department of Justice, San Jose City, Nueva Ecija
Member (Camp Vice President)	:	Gideon's International in the Philippines
Member/Worship Leader/Preacher	:	Lakas Angkan Ministries, CLSU
Outreach Ministry Coordinator	:	Barangay Outreach Ministry, Lakas Angkan Ministries, CLSU, NE