



"Integration of Chemical Engineers in the Global Community"

P R O G R A M M E

FEBRUARY 21, 2017 (TUESDAY)

4:00PM **NBOD MEETING**

FEBRUARY 22, 2017 (WEDNESDAY)

8:00AM – 3:00PM **STUDENT CONGRESS**

National Student Quiz Bowl
Research Poster Display and Judging (Student Category)
National Undergraduate Research Contest
Awarding Ceremony
Best Paper
Best Poster

12:00NN – 3:00PM

COLLEGE OF FELLOWS GENERAL ASSEMBLY

4:00PM – 5:00PM

OPENING AND VIEWING OF EXHIBITS

Ribbon Cutting Ceremony
PIChE Chapter Poster Display and Judging
Research Poster Display and Judging (Professional Category)

5:00PM

OPENING CEREMONIES

Processional
Colors
Former PIChE National Presidents
ASEAN/ACPE/APEC Engineers
Chapter Presidents
Host Chapter
College of Fellows
PIChE National Board of Directors
PRC/Professional Regulatory Board of Chemical Engineering
Hon. Karlo Alexei B. Nograles

Invocation/Doxology
Philippine National Anthem
Presentation of Delegates
Acknowledgement of Guests
Formal Opening of the Convention

Opening Remarks

Welcome Remarks

Engr. Jonathan C. Aquino, ASEAN Eng

National Executive Vice-President
Convention Chair

Engr. Jocel B. Dimacutac

PIChE-CDO President

Hon. Oscar S. Moreno

Mayor, Cagayan de Oro City

Hon. Yevgeny Vincent B. Emano

Governor, Province of Misamis Oriental

President's Message

Introduction of Keynote Speaker

Keynote Speaker

Presentation of The Plaque of Appreciation To Keynote Speaker

Engr. Proserfina Matugas-Coro

National President

Engr. Mamerto Irasga

AVP for Mindanao

Hon. Karlo Alexei B. Nograles

Representative, 1st District Davao City
Chairman, Committee on Appropriation

Engr. Proserfina Matugas-Coro

Engr. Jonathan C. Aquino, ASEAN Eng

Engr. Jocel B. Dimacutac

7:00PM

8:00PM

DINNER

PRESENTATION OF ASEAN ENGINEERS

RECOGNITION CEREMONIES

ASEAN Engineers

ACPE Engineers

AWARDING CEREMONIES

Outstanding PIChe Chapters Award

Outstanding Chemical Engineers Award

INDUCTION OF NEW MEMBERS TO PICHE COLLEGE OF FELLOWS

ACKNOWLEDGEMENTS and ANNOUNCEMENTS

Engr. Susan C. Benitez

Engr. Shirlyn C. Reyes, PhD, ASEAN Eng

Engr. Proserfina Matugas-Coro

Engr. Cezar dela Cruz

Inducting Officer

Engr. Jonathan C. Aquino, ASEAN Eng

National Executive Vice-President

Convention Chair

Master/s of Ceremony: **Engr. Irish Crest Almanzor** and **Engr. Ben Isac Escabarte**

Attire: Filipiniana/Regional Costume/Barong Tagalog

FEBRUARY 23, 2017 (THURSDAY)

6:30AM – 8:00AM

8:00AM – 9:00AM

NBOD MEETING WITH CHAPTER PRESIDENTS

BUSINESS MEETING

President's Report

Treasurer's Report

Confirmation of the Approved Amendments of the PIChe Constitution and By-Laws of 2012

9:00AM – 12:00NN

PLENARY SESSION 1

Plenary 1: CPD LAW & ChEngg

Presenter: Engr. Leonila C. Abella, PhD

Plenary 2: Green Synthesis of Metal/Polymeric Nanomaterials and Its Catalytic Activities

Presenter: Engr. Noel Peter B. Tan, PhD

Plenary 3: ChE Shining Through in Consulting Services

Presenter: Engr. Evelyn V. Dofredo

Moderator: Mindanao

12:00NN

LUNCH

**Nomination and Election of National Board of Directors (NBOD)
Bid Presentation for the 2018 PIChE National Convention Host
Announcement of New NBOD**

1:30PM – 5:30PM

PARALLEL SESSIONS 1

Ballroom

TOPIC 1: *Between The Devil And The Deep Sea: The Need For A
Filipino Oriented Climate Change And Energy Policy*

Presenter: Engr. Ely Anthony R. Ouano, PhD

TOPIC 2: *Socio-Environmental Agent-Based Simulation on the
Livability of Two Mega Cities*

Presenter: Engr. Juvyneil E. Cartel

TOPIC 3: *Prospects of Waste-to-Energy Facilities in the Philippines*

Presenter: Engr. Reynaldo L. Esguerra, MEng

TOPIC 4: *Sea Wave Energy Potential of Mindanao: Basis for New
Technology Development*

Presenter: Engr. Albert B. Jubilo, PhD

TOPIC 5: *Application of Optimization-Based Decision Support
Methodology in Process Synthesis*

Presenter: Engr. Beatriz A. Belmonte, MSChE

Moderators: NCR

Attire: Business Casual

FELLOWSHIP NIGHT

Theme: Retro 70's

Master of Ceremony: **Engr. Irish Crest Almanzor** and **Mr. Arn Gabriel Bustero**

Attire: Wet look, Bell-bottom and Bob Marley

Venue: Grand Caprice, Emperor Court, Limketkai Center

FEBRUARY 24, 2017 (FRIDAY)

6:30AM – 8:00AM

ELECTION OF NEW NBODS

8:00AM – 9:00AM

PRB OF CHEMICAL ENGINEERING ROUNDTABLE DISCUSSION

9:00AM – 12:00NN

PLENARY SESSION 2

Plenary 1: Processing of Bio-Based Polyols and Polyurethanes for Industrial Applications

Presenter: Engr. Arnold Lubguban, PhD

Plenary 2: Leveraging Advances in Technology to Improve Industrial Water Management

Presenter: Engr. Albert Samuela

Plenary 3: 3rd Gen Modularization Approach to Steam Assisted Gravity Drainage Facility

Presenter: Engr. Melanie Nellas

Plenary 4: Challenges in Coming Up with SWM Program: Case of CDO

Presenter: Fr. Roberto C. Yap, SJ

Moderator: Visayas

12:00NN

LUNCH

Breakout Room

TOPIC 1: *The Chemical Engineer in Development: understanding the
challenges of implementing technical solutions "under MSME conditions"*

Presenter: Engr. Naomi Cossette R. Luis, M.Eng.

TOPIC 2: *Measuring transdermal glucose levels in neonates by passive
diffusion: An in vitro porcine skin model*

Presenter: Engr. Cristina Tiangco, ChE, MSChem

TOPIC 3: *Microbial Based Technologies For The Rehabilitation of Heavy Metal
Contaminated Wastewater from Mining Site*

Presenter: Engr. Joven Barcelo

TOPIC 4: *Batch Adsorption Studies for the Extraction of Phytohormones from
Waste Coconut Water*

Presenter: Engr. Mart Merwin C. Magboo

TOPIC 5: *Kinetics of Disinfection of Sand Functionalized by Moringa oleifera
Protein*

Presenter: Engr. John Raymond B. Barajas, MSChE

Moderators: Luzon

**Induction of PIChE NBOD 2017-2018
Turnover of PIChE Flag to New PIChE National President
Acceptance Speech – New PIChE National President**

1:00PM – 7:00PM

PARALLEL SESSIONS 2

Ballroom

TOPIC 1: *Thin Film Sensor Using Nanosphere-Patterned and Molecularly Imprinted Polymer Arrays for QCM Detection of Aspartame*
Presenter: Engr. Sicily B.Tiu, PhD

TOPIC 2: *An Insight into Process Integration of Solar-grade Polysilicon Manufacturing*

Presenter: Engr. Louie Miranda De los Santos, CEng MIChemE

TOPIC 3: *Assessment of the energy efficiency of the fast oxidative pyrolysis of Napier grass in a fluidized bed reactor*

Presenter: Engr. Ma. Theresa I. Cabaraban, PhD

TOPIC 4: *Optimization of Silver Recovery from Used Radiograph Films (URF) Via Sodium Hydroxide Stripping*

Presenter: Engr. Michael Vincent O. Laurio

TOPIC 5: *Groundwater treatment and remediation by Electrodialysis: Gearing up towards green technology*

Presenter: Engr. Rose Marie O. Mendoza, PhD

TOPIC 6: *Reducing Offensive Odor of Masticated Natural Rubber Using Natural Zeolite and Bentonite: Effect of Different Filler Treatments*

Presenter: Engr. Bryan B. Pajarito, PhD

Moderators: NCR

Attire: Chapter Shirt/Uniform

Breakout Room

TOPIC 1: *The Reduction of Manganese Oxide Fouling in the Microfilters of Maynilad's Putatan Water Treatment Plant*

Presenter: Engr. Marc dela Rosa

TOPIC 2: *Brackish Water Reverse Osmosis (BWRO) Technology for Drinking Water Treatment of Laguna Lake*

Presenter: Engr. Benjamin C. Villa

TOPIC 3: *Classification of a Polluted River using Visual Methods: the Case of Marikina River, Philippines*

Presenter: Engr. Mary Ann T. Pandan, PhD

TOPIC 4: *Water quality methods for coastal resource assessment: the case of Marayo and Candaguit Rivers of Pontevedra, Negros Occidental*

Presenter: Engr. Augustus Caesar D. Baltazar, ChE, MSEN E

TOPIC 5: *A Preliminary Investigation on the CO₂ Adsorption Capacity and Regenerability of Amine-Silica Adsorbents Prepared by In-situ Polymerization Technique*

Presenter: Engr. Jhulimar M. Celedonio, MSChE

TOPIC 6: *Particulate Matter Assessment of the XU Power Plant Laboratory*

Presenter: Engr. Edwin Richard R. Ortiz

TOPIC 7: *On-Road Particulate Matter Level Inside Motorelas and Jeepneys in Cagayan De Oro City, Philippines*

Presenter: Engr. Christylene S. Balagtas

Moderators: Luzon

7:00PM – 7:30PM

CLOSING CEREMONIES

Awarding Ceremony: Student Category

Best Paper

Best Poster

Best Chapter Poster

**Announcement of the 79th PIChE National Convention Venue and Turning Over of the Key of Responsibility
Closing Remarks**

Engr. Emmie Gonzales-Reyes

Director for Mindanao

Masters of Ceremony: **Engr. Maria Niña C. Bañares-Almueda** and **Engr. Ben Isac Escabarte**

FEBRUARY 25, 2017 (SATURDAY)

7:00AM – 4:00PM

TECHNICAL TOUR

