



CALL FOR PAPERS

2018 Sustainable Davao Research Symposium

Theme: Gathering Sustainable Development Goals-Oriented Researches for Davao City

September 28, 2018 – Davao City, Philippines

Important Dates

Deadline of abstract submission: August 31, 2018

Notice of acceptance: September 7, 2018

Research Symposium: September 28, 2018



For clarifications and further information please contact **Mr. Lemuel Manalo** (09436169092) or **Ms. Jill Cruz-Gamboa** (09479238710)

Interface Development Interventions (IDIS) Inc.

Address: 2nd Floor, ALMACEN Building, Davao-Bukidnon Highway, Catalunan Pequeño, Davao City
Tel no: 299-4552 Email ad: interfacedvo@gmail.com Website: www.idisphil.org

ABSTRACT SUBMISSION

- Open to all secondary and tertiary students, faculty, and researchers in private or state universities and colleges, non-government organizations, or private companies.
- Each applicant must submit an abstract on or before 12:00 NN August 31, 2018.
- Send your abstracts to: Interface Development Interventions email at interfacedvo@gmail.com, cc: lem.manalo@idisphil.org or florence.baula@idisphil.org
- Abstracts should be submitted in MSWORD or PDF document.
- Each submitted abstract will go through screening process which will be announced on September 7, 2018.

I. Applicants may submit abstracts in any of the following SDG categories:

1. Renewable Energy

SDG 7 and 13 - Studies on energy conservation, uses of clean and alternative energy, solar, hydropower, natural gas potential wind power sources or studies on carbon emissions for Davao City and etc.

2. Zero Waste

SDG 6, 15 and 12 – Studies on solid waste management, pollution control, sanitation, waste or water treatment technologies, systems and etc.

3. Healthy Watersheds

SDG 6, 14, and 15 – Studies on upland, urban to coastal watershed management, reforestation or sustainable forest management, wildlife and biodiversity conservation, water quality and resources management, hydrology and geology, aquatic and marine resources management.

4. Sustainable Agricultural Practices

SDG 2 and 3 – Studies on ecological or organic agriculture, indigenous or natural farming systems, food security and responsible consumption, agro-forestry, urban farming or container gardening.

5. Disaster Resilient & Green Communities

SDG 9, 11, 13 and 16 – Studies on sustainable and resilient infrastructures, architecture design and development, natural disaster and flood risk reduction and management, land-use planning, zoning, urban green zones, public parks and open spaces.

For clarifications and further information please contact **Mr. Lemuel Manalo** (09436169092) or **Ms. Jill Cruz-Gamboa** (09479238710)

Interface Development Interventions (IDIS) Inc.

Address: 2nd Floor, ALMACEN Building, Davao-Bukidnon Highway, Catalunan Pequeño, Davao City
Tel no: 299-4552 Email ad: interfacedvo@gmail.com Website: www.idisphil.org

II. Guidelines for Abstract Submissions

1. TITLE

Research title must be of international character, use words that are easily be understood, catches attention, straight to the point and interesting.

2. BODY

Abstract should contain the following:

- a. Topic Introduction and chief purpose or aim of the study (~1 sentence)
 - b. Methods: Mention how the study was conducted (~1-2 sentences)
 - c. Results: Present only the main findings of the study not a copy paste from your results and discussion section (~1-3 sentences)
 - d. Conclusion: Present the most important finding, analysis and reflection (~1 sentence)
 - e. Recommendation: What can be done next or recommend to the public (~1 sentence)
3. Abstract should be minimum of 300 words; no reference or citation needed.
 4. Text should be single-spaced, Arial, font size 10, and 1 inch margin in all sides.
 5. Keywords (maximum of 6 words) shall contain four components:
 - a. Discipline of the study
 - b. Concepts studied
 - c. Methods/process
 - d. Geography/ location of study
 6. SDG Category
Provide the SDG Category you wish to apply (i.e Zero Waste, Healthy Watersheds or etc.)

For clarifications and further information please contact **Mr. Lemuel Manalo** (09436169092) or **Ms. Jill Cruz-Gamboa** (09479238710)

Interface Development Interventions (IDIS) Inc.

Address: 2nd Floor, ALMACEN Building, Davao-Bukidnon Highway, Catalunan Pequeño, Davao City
Tel no: 299-4552 Email ad: interfacedvo@gmail.com Website: www.idisphil.org

III. Abstract Template and Format

Assessment of Permeable Paving Systems of Selected Establishments in Central Business District, Davao City

Lemuel I. Manalo, Florence C. Baula

Interface Development Interventions (IDIS) Inc.

2nd Floor, ALMACEN Building, Davao-Bukidnon Highway, Catalunan Pequeño, Davao City

*Email: lem.manalo@idisphil.org interfacedvo@gmail.com

ABSTRACT

The study introduced permeable paving systems as a sustainable solution for stormwater management in response to massive conversion of natural open spaces to impervious grounds in Davao City brought about by urban expansion. Establishments within Davao City's central business district were surveyed based on their land use, function and typologies compiled in a database. Out of the 20 establishments surveyed, five establishments were selected as case studies, employing in-depth interviews with key informants and observation to assess the technology's perceived benefits and disadvantages along with its technical aspects on permeability, aesthetics, albedo, and cost and maintenance. Results showed that permeable paving systems are beneficial not only to the environment but to the people's safety and well-being, particularly in improving stormwater management, urban ecosystem, and overall ambience within an urban district as well as reducing albedo reflectance and heat stress. Regardless of its typology or appropriate usage, permeable paving system is a vital solution in sparing open spaces from conventional concrete paving, leading in economic and environmental benefits. It is recommended that the permeable paving systems should be required in local building permit applications to enhance the city's urban stormwater management and need for natural open spaces.

Key Words: Sustainable Solutions, Permeable Paving Systems, Stormwater Management, Urban Development, Davao City

SDG Category: Disaster Resilient and Green Communities

For clarifications and further information please contact **Mr. Lemuel Manalo** (09436169092) or **Ms. Jill Cruz-Gamboa** (09479238710)

Interface Development Interventions (IDIS) Inc.

Address: 2nd Floor, ALMACEN Building, Davao-Bukidnon Highway, Catalunan Pequeño, Davao City
Tel no: 299-4552 Email ad: interfacedvo@gmail.com Website: www.idisphil.org