

## GIBRAN DE JESUS BENITEZ GARCIA (1988/10/06)

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### PROFESSIONAL EDUCATION

#### **Ph.D. in Engineering** [2014.10 – 2017.9]

The University of Electro-Communications, Tokyo, Japan

Thesis: “*Analysis of Differences between Western-Caucasian and East-Asian Basic Expressive Faces for Automatic Facial Expression Recognition.*”

#### **Master Course on Microelectronic Engineering** [2011.8 – 2013.12]

Instituto Politécnico Nacional, Mexico City, Mexico (*Graduated with honors*)

Thesis: “*Face and Facial Expression Recognition Based on Eigenphases Algorithm with Optimum Sub-block Size.*”

#### **Bachelor on Computer Engineering** [2007.8 – 2011.7]

Instituto Politécnico Nacional, Mexico City, Mexico

Thesis: “*Face Recognition Based on Histogram of an Image.*”

### PROFESSIONAL EXPERIENCE

#### **Postdoctoral Research Fellow** [2017.10 – *current*]

Intelligent Information Media Lab

Toyota Technological Institute, Nagoya, Japan

Supervisor: Dr. Norimichi Ukita

#### **Temporal Research Scientist** [2014.1 – 2014.9]

Graduate School and Research Section

Instituto Politécnico Nacional, Mexico City, Mexico.

Supervisor: Dr. Hector Perez-Meana

### RESEARCH EXPERIENCE

#### **The University of Electro-Communications** [2012.4 – 2013.3]

Scholarship supported by Japan Student Services Organization (JASSO)

Exchange study program at UEC: “Japanese University Studies in Science and Technology.”

#### **Instituto Politécnico Nacional** [2010.8 – 2012.12]

Scholarship supported by Institutional Program of Research Training (PIFI)

Project: Multidimensional Signal Characterization and Applications

### GRANTS

#### **Ministry of Education, Culture, Sports, Science and Technology (MEXT)** [2014.10 – 2017.9]

Japanese government (Monbukagakusho) scholarship granted for Ph.D. studies at

The University of Electro-Communications. ID: 142073

#### **Japan Student Services Organization (JASSO)** [2012.4 – 2013.3]

Scholarship granted for Short-Term Study in Japan Program at

The University of Electro-Communications. ID: 1295002

**National Science and Technology Council of Mexico (CONACyT)** [2011.8 – 2013.7]  
Scholarship granted for Master Program studies at Instituto Politécnico Nacional. ID: 420603

#### **TEACHER ASSISTANT EXPERIENCE**

**The University of Electro-Communications.** (Tokyo, Japan)

[2017.4 – 2017.9]. English Seminar: TED Talks (Self Access Park<sup>\*</sup>). *Professor: Hiroaki OKU*

[2017.4 – 2017.9]. Subject: Academic Written English I. *Professor: Hiroaki OKU*

[2015.4 – 2017.3]. English Seminar: TED Talks (Self Access Park<sup>\*</sup>). *Professor: Suwako Uehara*

[2014.8 – 2016.3]. Subject: Academic Spoken English I & II. *Professor: Hiroaki OKU*

**Instituto Politécnico Nacional.** (Mexico City, Mexico)

[2011.8 – 2011.12]. Subject: DC and AC circuits. *Professor: Jesus Olivares Mercado*

*\*as a part of UEC Self Access Park one of my duties is to assist students in preparing presentations in English for international conferences and reviewing written style of scientific publications.*

#### **LANGUAGES**

Spanish (native), English (excellent) and Japanese (basic)

#### **COMPUTER SKILLS**

**Operating System:** Windows, and Linux

**Programming Languages:** Python, Matlab, C & C++, and HTML

**Software & Frameworks:** Pytorch, Keras, Latex, Microsoft Office, and more.

#### **RESEARCH INTERESTS**

Face and Facial Expression Recognition, Hand Gesture Recognition, Human-Computer Interaction, and Computer Vision.

#### **SELECTED PUBLICATIONS**

- [1] “*Similar Finger Gesture Recognition using Triplet-loss Networks,*” (oral presentation)  
**Gibran Benitez-Garcia**, Muhammad Haris, Yoshiyuki Tsuda, and Norimichi Ukita.  
16th IAPR International Conference on Machine Vision Applications (MVA2019),  
Tokyo, Japan, May 27-31, **2019**. (oral acceptance rate = 18.5%)
- [2] “*Multicultural Facial Expression Recognition Based on Differences of Western-Caucasian and East-Asian Facial Expressions of Emotions,*”  
**Gibran Benitez-Garcia**, Tomoaki Nakamura, and Masahide Kaneko.  
IEICE TRANSACTIONS on Information and Systems, vol. 101, no. 5, pp. 1317-1324, **2018**.
- [3] “*A Sub-block-based Eigenphases Algorithm with Optimum Sub-block Size,*”  
**Gibran Benitez-Garcia**, Jesus Olivares-Mercado, Gabriel Sanchez-Perez, Mariko Nakano-Miyatake and Hector Perez-Meana.  
Knowledge-Based Systems, vol. 37, pp. 415-426, **2013**.