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Employment

Industrial Engineering School

Lima University
25 Oct 2019 → present

Exponential technologies Research Group

Lima University
25 Oct 2019 → present

Research outputs

Is It Intelligent? A Systematic Review of Intelligence in the Most Cited Papers in IoT

Grados, B. & Bedón, H., 2021, *Applied Technologies - Second International Conference, ICAT 2020, Proceedings*. Botto-Tobar, M., Montes León, S., Camacho, O., Chávez, D., Torres-Carrión, P. & Zambrano Vizuete, M. (eds.). Springer Science and Business Media Deutschland GmbH, p. 272-286 15 p. (Communications in Computer and Information Science; vol. 1388 CCIS).

Marine Delay and Disruption Tolerant Networks (MaDTN): Application for Artisanal Fisheries

Bedón, H., Lopez Pastor, J., Cedeño Herrera, E. & Nieto, C. M., 2021, *Applied Technologies - Second International Conference, ICAT 2020, Proceedings*. Botto-Tobar, M., Montes León, S., Camacho, O., Chávez, D., Torres-Carrión, P. & Zambrano Vizuete, M. (eds.). Springer Science and Business Media Deutschland GmbH, p. 3-17 15 p. (Communications in Computer and Information Science; vol. 1388 CCIS).

Semantic Segmentation of Weeds and Crops in Multispectral Images by Using a Convolutional Neural Networks Based on U-Net

Chicchón Apaza, M. Á., Monzón, H. M. B. & Garrido, R. P. A., 1 Jan 2020, *Applied Technologies - 1st International Conference, ICAT 2019, Proceedings*. Botto-Tobar, M., Zambrano Vizuete, M., Torres-Carrión, P., Montes León, S., Pizarro Vásquez, G. & Durakovic, B. (eds.). Springer, p. 473-485 13 p. (Communications in Computer and Information Science; vol. 1194 CCIS).

Software Components of an IoT Monitoring Platform in Google Cloud Platform: A Descriptive Research and an Architectural Proposal

Grados, B. & Bedon, H., 1 Jan 2020, *Applied Technologies - 1st International Conference, ICAT 2019, Proceedings*. Botto-Tobar, M., Zambrano Vizuete, M., Torres-Carrión, P., Montes León, S., Pizarro Vásquez, G. & Durakovic, B. (eds.). Springer, p. 153-167 15 p. (Communications in Computer and Information Science; vol. 1193 CCIS).

Message fragmentation assessment in DTN nanosatellite-based sensor networks

Bedon, H., Miguel, C., Alcarria, R., Fernández, Á. & Ruiz, F. J., 1 Jul 2016, In: *Ad Hoc Networks*. 44, p. 76-89 14 p.

Preliminary internetworking simulation of the QB50 cubesat constellation

Bedon, H., Negron, C., Llantoy, J., Nieto, C. M. & Asma, C. O., 30 Dec 2010, *2010 IEEE Latin-American Conference on Communications, LATINCOM 2010 - Conference Proceedings*. 5640977. (2010 IEEE Latin-American Conference on Communications, LATINCOM 2010 - Conference Proceedings).

First steps to establish a small satellite program in Peru

Canales Romero, J. M., Bedon, H. & Estela, J., 2 Jun 2010, *2010 IEEE Aerospace Conference Proceedings*. 5447020. (IEEE Aerospace Conference Proceedings).

Projects

Development of the technological enabler of the SINPAD redesign project: 3 components

Bedón Monzón, H. M.

1/09/17 → 31/03/18

MONIPEZAPP: monitoring prototype to optimize the artisanal capture processes, in real time, in order to improve the productivity of the artisanal fisherman in the creek cove

Bedón Monzón, H. M., Carhuancho Lucen, C. A., Garcia Lopez, Y. J. & Saettone Olschewski, E. A.

1/11/18 → 31/07/21

Quinoa Smartapp: Quinoa Smartapp: intelligent rural platform prototype, in real time, to increase productivity in the organic quinoa value chain (chenopodium quinoa willd)

Bedón Monzón, H. M., Garcia Lopez, Y. J., Carhuancho Lucen, C. A. & Jimenez Davalos, J. E.

6/01/17 → 4/12/19

AquAmypeApp: Real-time water quality monitoring prototype to improve the productivity of Rainbow trout, *Oncorhynchus mykiss*, in AMYPE's in the Amazon region

Bedón Monzón, H. M., Saettone Olschewski, E. A., Garcia Lopez, Y. J. & Grados Licham, B.

13/11/19 → 31/12/21