BORIS XAVIER VINTIMILLA BURGOS

Datos generales

Apellidos:	VINTIMILLA BURGOS	**Nombres:**	BORIS XAVIER
Fecha Nacimiento:	08/08/1972	**Teléfono:**	

Situación profesional actual

Institución:	ESPOL	**Unidad Académica:**	FACULTAD DE INGENIERÍA EN ELECTRICIDAD Y COMPUTACIÓN
Cargo:	PROFESOR TITULAR PRINCIPAL 3 (TC)	**Dedicación:**	Tiempo Completo
Actividad Principal:	Gestión Administrativa	**Correo institucional:**	bvintimi@espol.edu.ec

Formación académica

- UNIVERSIDAD POLITÉCNICA DE CATALUNYA, ESPAÑA, 26/01/2001, DOCTOR INGENIERO INDUSTRIAL
- ESCUELA SUPERIOR POLITÉCNICA DEL LITORAL, ECUADOR, 22/09/1995, INGENIERO MECANICO

Experiencia laboral en el departamento

- FACULTAD DE INGENIERIA EN ELECTRICIDAD Y COMPUTACION, PROFESOR TITULAR PRINCIPAL 3 (TC), 2018 - A LA FECHA
- FACULTAD DE INGENIERIA EN ELECTRICIDAD Y COMPUTACION, SUBDECANO(A), 2014
- FACULTAD DE INGENIERIA EN ELECTRICIDAD Y COMPUTACION, PROFESOR TITULAR PRINCIPAL 1 (TC), 2014 - 2017
- FACULTAD DE INGENIERÍA EN ELECTRICIDAD Y COMPUTACIÓN - (FIEC), SUBDECANO/A, 2014
- FACULTAD DE INGENIERÍA EN ELECTRICIDAD Y COMPUTACIÓN - (FIEC), PROFESOR PRINCIPAL, 2013 - 2014
- , PROFESOR TITULAR PRINCIPAL (TC), 2013 - 2014

Experiencia laboral en otros departamentos y organizaciones

Principales intereses de investigación

His research interest focuses on various topics in the areas of computer vision, image processing and machine learning. This includes the acquisition, processing and analysis of images in the visible and infrared spectra using deep learning techniques. As part of the obtained results, he has participated in the publication of more than 100 scientific articles and book chapters.

Principales publicaciones de los últimos 5 años

- FRUIT DEFECT DETECTION USING CNN MODELS WITH REAL AND VIRTUAL DATA; PROCEEDINGS OF THE 18TH INTERNATIONAL JOINT CONFERENCE ON COMPUTER VISION, IMAGING AND COM; 2023; https://www.researchgate.net/publication/369015650_Fruit_Defect_Detection_Using_CNN_Models_with_Real_and_Virtual_Data
- BANANA RIPENESS LEVEL CLASSIFICATION USING A SIMPLE CNN MODEL TRAINED WITH REAL AND SYNTHETIC DATASETS; PROCEEDINGS OF THE 18TH INTERNATIONAL JOINT CONFERENCE ON COMPUTER VISION, IMAGING AND COM; 2023; https://www.scitepress.org/Papers/2023/116546/116546.pdf
- THERMAL IMAGE SUPER-RESOLUTION CHALLENGE RESULTS - PBVS 2023; EEE INT. CONF. ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR) WORKSHOPS; 2023; https://ieeexplore.ieee.org/document/10209037
- A NOVEL DOMAIN TRANSFER-BASED APPROACH FOR UNSUPERVISED THERMAL IMAGE SUPER-RESOLUTION; SENSORS; 2022; https://www.mdpi.com/1424-8220/22/6/2254
- MULTI-IMAGE SUPER-RESOLUTION FOR THERMAL IMAGES; 17TH INT. CONF. ON COMPUTER VISION THEORY AND APPLICATIONS; 2022; https://www.scitepress.org/Link.aspx?doi=10.5220/0010899500003124
- THERMAL IMAGE SUPER-RESOLUTION CHALLENGE RESULTS - PBVS 2022; IEEE INT. CONF. ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR) WORKSHOPS; 2022; https://ieeexplore.ieee.org/document/9857432
- HUMAN POSE ESTIMATION THROUGH A NOVEL MULTI-VIEW SCHEME.; PROCEEDINGS OF THE 17TH INTERNATIONAL JOINT CONFERENCE ON COMPUTER VISION, IMAGING AND COM; 2022; https://doi.org/10.5220/0010899900003124

- CAMERA POSE ESTIMATION IN MULTIVIEW ENVIRONMENTS: FROM VIRTUAL SCENARIOS TO THE REAL WORLD; IMAGE AND VISION COMPUTING; 2021; https://www.sciencedirect.com/science/article/pii/S0262885621000871

- CYCLE GENERATIVE ADVERSARIAL NETWORK: TOWARDS A LOW-COST VEGETATION INDEX ESTIMATION; 2021 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING; 2021; https://ieeexplore.ieee.org/document/9506746

- CAMERA POSE ESTIMATION IN MULTI-VIEW ENVIRONMENTS:FROM VIRTUAL SCENARIOS TO THE REAL WORLD.; IMAGE AND VISION COMPUTING JOURNAL; 2021; https://doi.org/10.1016/j.imavis.2021.104182

Membresía en sociedades científicas y profesionales

Premios y honores

- BEST PRESENTATION AWARD CERTIFICATE, 01/06/2025

- BEST PAPER AWARD CERTIICATE, 26/07/2017

Cursos en el año académico actual

- PROCESAMIENTO DIGITAL DE IMÁGENES, número de paralelos: 2

Otras responsabilidades en el año académico actual

TUTORÍA ACADÉMICA DE PROYECTO INTEGRADOR (2H POR PROYECTO); MIEMBRO DE COMITÉ ACADÉMICO DE POSTGRADO; MIEMBRO DE LA COMISIÓN DE EVALUACIÓN ESPOL; INVESTIGACIÓN (10 HORAS); DIRECTOR DE UN CENTRO DE INVESTIGACIÓN (20 HORAS)

Desarrollo profesional

- 21ST INTERNATIONAL CONFERENCE ON COMPUTER VISION THEORY AND APPLICATIONS (VISAPP 2026), 09/03/2026 - 11/03/2026, 20 HR., INSTICC: INSTITUTE FOR SYSTEMS AND TECHNOLOGIES OF INFORMATION, CONTROL AND COMMUNICATION

- IEEE INT. CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION CVPR 2025, 10/06/2025 - 15/06/2025, 40 HR., IEEE INT. CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION CVPR 2025

- 3RD INTERNATIONAL CONFERENCE ON ROBOTICS, CONTROL AND VISION ENGINEERING RCVE 2025, 01/06/2025 - 04/06/2025, 12 HR., 3RD INTERNATIONAL CONFERENCE ON ROBOTICS, CONTROL AND VISION ENGINEERING RCVE 2025

- 5TH INTERNATIONAL CONFERENCE ON COMPUTER VISION AND ROBOTICS CVR 2025, 25/04/2025 - 26/04/2025, 16 HR., 5TH INTERNATIONAL CONFERENCE ON COMPUTER VISION AND ROBOTICS CVR 2025

- PROGRAMA EDUCATIVO NO FORMAL DE REINDUCCIÓN 2024, 20/11/2024 - 20/11/2024, 4 HR., EOC - EDUCACIÓN ORGANIZACIONAL CONTINUA