MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CURRICULUM VITAE (maximum 4 pages)

Part A. PERSONAL INFORMATION

CV date:	29th Dec 2024

First and Family name:	***JOSÉ-TOMÁS SAN-JOSÉ-LOMBERA***		
ID number:	30572538H	Date of birth:	3th June 1965
Researcher ID:	I-9400-2014	Orcid code: 0000-0003-4904-6731	

A.1. Current position

Name of University/Institution	University of The Basque Country (UPV/EHU)			
Department	Engineering of Mining and Metallurgical and Materials Science			
Address and Country	Plaza Ingeniero Torres Quevedo, 1 - 48013 Bilbao (Spain)			
Phone number	+34 946014080	E-mail	josetomas.sanjose@ehu.es	
Current position	Tenured Associate Professor	From	29th April 2010	
Espec. UNESCO Codes	3305/12			
Palabras clave	Building, By-products, Concrete, Construction, Sustainability			

A.2.Education

PhD, Licensed, Graduate	University/Country	Year
Technical Engineer in Mechanics (Graduate)	UPV/EHU / Spain	1988
Industrial Engineer in Mechanics (Engineer)		1991
Post-graduate in Engineering Materials		1995
Industrial Engineer (PhD)		1996

A.3. JCR articles, h Index, thesis supervised…

- Tenured Associate Professor with 4 "*sexenium*" (2006; 2012; 2018; 2008T).
- Supervised 21 Doctoral Theses (11 internationals) since 2006. 3 others in progress.
- SCOPUS = 56JCRs (33Q1 y 11D1), >2350 citations, H_{index}=26 (80 average-cites/year).
- Certified as Full-Professor in Engineering and Architecture since Feb. 2018.
- Participated in 33 doctoral theses juries (president in 10 of them).
- Associated research to Tecnalia (2023 et seq.).

Part B. CV SUMMARY *(max. 3500 characters, including spaces)*

Dr. José T. San-José Lombera is an Industrial Engineer (PhD-1996 and BSc-1991) at the University of the Basque Country (UPV/EHU). Tenured Associate Professor (2010), at the Faculty of Engineering Bilbao, after passing the national qualification tests for tenure-track in Material Science (2007) and, additionally, certified as full-professor. Head of a research group with 13 memberships (2013-2018, https://www.ehu.eus/en/web/scm/pertsonak) and coordinator of Master Materials Science (2014-2019) at the engineering faculty of Bilbao (UPV/EHU). During 20 years, he worked at Labein-Tecnalia (research centre) achieving different R&D involvements. Dr. San-José participated in 57 projects, leading 43 of them (International, National and Regional). He has supervised 21 Doctoral Theses with mentions in: international (11), industrial (15) and extraordinary Award (3), respectively. Authorised more than 190 scientific international papers and reviewed more than 110 papers from 28 JCR journals, co-editor of 2 books. In addition, he has a curriculum balanced between his academic (university) and professional (private research company) activities. Majority of his R&D results are the engine for linking both academic and professional, respectively, environments.

Part C. RELEVANT MERITS

C.1. Publications (including books)

1. V. Revilla-Cuesta, J. Manso-Morato, N. Hurtado-Alonso, A. Santamaría, ***J.T. San-Jose*** (2024). Degradation under cyclic wet-dry aging of full-scale high-workability concrete maximizing sustainable raw materials. Case Stud. Constr. Mater. 20 (2024) e03334. Citas (Scopus): 0. 10.1016/j.cscm.2024.e03334.
2. V. García-Cortés, D. García-Estévez, ***J.T. San-José***, Z. Egiluz (2023). Ideal dosage curves for limestone and EAFS aggregate concretes and their sustainability assessment. Ain Shams Eng. J., 102446. DOI: 10.1016/j.asej.2023.102446.
3. V. García-Cortés, D. García-Estévez, ***J.T. San-José*** (2022). Assessment of Particle Packing Models for Aggregate Dosage Design in Limestone and EAFS Aggregate-Based Concretes. Constr. Build. Mater., 328 (2022) 126977.
4. P. Larrinaga, L. Garmendia, C. Chastre, ***J.T. San-José*** (2022). Low-grade RC beams strengthened with TRM composite based on basalt, carbon and steel textiles: Experimental and analytical study. *Case Stud. Constr. Mater.,* 16:e00906.
5. V. Ortega-López, A. García-Llona, V. Revilla-Cuesta, A. Santamaría, ***J.T. San-José*** (2021). Fiber-reinforcement and its effects on the mechanical properties of high-workability concretes manufactured with slag as aggregate and binder. *J. Build. Eng.,* 43: 102548.
6. A. Santamaría, V. Ortega-López, M. Skaf, F. Faleschini, A. Orbe, ***J.T. San-José*** (2021). CH23: Ladle furnace slags for construction and civil works: A promising reality. Waste and Byproducts in Cement-Based Materials Innovative Sustainable Materials for a Circular Economy. Ed. J. de Brito, C. Thomas, C. Medina & F. Agrela, Elsevier Ltd. Doi: 10.1016/B978-0-12-820549-5.00023-1
7. A. Gandini, L. Garmendia, I. Prieto, I. Alvarez, J.T. San-José (2020). A holistic and multi-stakeholder methodology for vulnerability assessment of cities to flooding and extreme precipitation events. *Sustainable Cities and Society,* 63:102437.
8. P. Larrinaga, L. Garmendia, I. Piñero, ***J.T. San-José*** (2020). Flexural strengthening of low-grade reinforced concrete beams with compatible composite material: Steel Reinforced Grout (SRG). *Constr. Build. Mater.,* 235(117790): 1-13.
9. A. Santamaria, A. Orbe, ***J.T. San-Jose***, J.J. Gonzalez (2018). A study on the durability of structural concrete incorporating EAF slag. *Constr. Build. Mater.,* 161:94-111.
10. F. Faleschini; A. Santamaría; M.A. Zanini; ***J.T. San-José***; C. Pellegrino (2017). Bond between steel reinforcement bars and EAFS concrete. *Mater. Struct.*, 50:170.

C.2. Research projects and grants

1. Title of the project:	Rehabilitación con eco-matrices inorgánicas fabricadas conjuntamente con sub-productos de acería y demoliciones selectivas: del material a la solución constructiva. *VERDHOR*
Funding Entity:	Spanish Ministry. PID2021-124203OB-I00. **69.212€**
Duration from:	01Set2022 To: 31Ago2025 Total months: 36
Main Researcher:	José-Tomás San-José Lombera / Amaia Santamaría León
Applicant's contribution:	Technical and administrative coordinator in UPV/EHU.
2. Title of the project:	Desarrollo sostenible de mezclas hidráulicas, a partir de escorias de acería, para una edificación más adaptada al cambio climático. Diseños a resistenciasmedias. *DESCLIMA*
Funding Entity:	Spanish Ministry. RTI2018-097079-B-C31. **36.300€**
Duration from:	01Jan2019 To: 31Dec2021 Total months: 36
Main Researcher:	José-Tomás San-José Lombera (UPV/EHU coordinator)
Applicant's contribution:	Technical and administrative coordinator in UPV/EHU.
3. Title of the project:	Maximising the sustainable value of building materials and products, incorporating by-products of steelmaking, *BLUECONS*
Funding Entity:	Spanish Ministry MINECO/FEDER. **36.300€**
Duration from:	01Jan2015 To: 31Dec2017 Total months: 36
Main Researcher:	José-Tomás San-José Lombera (UPV/EHU)
Applicant's contribution:	Technical and administrative coordinator and task leader

4. Title of the project:	Research groups of the Basque university scientific system: Integral sustainability of maximum value
Funding Entity:	Basque Government. IT781-13. **130.358€**
Duration from:	01Jan2013 To: 31Dec2018 Total months: 72
Main Researcher:	José-Tomás San-José Lombera (UPV/EHU coordinator)
Applicant's contribution:	Technical and administrative coordinator and research line responsible
5. Title of the project:	High performance (cost competitive, long life and long maintenance) composite bridges for rapid infrastructure renewal. *HP-FUTURE BRIDGE*
Funding Entity:	European Union. FP6-2003-031522. **194.048€**
Duration from:	01Set2006 To: 31Aug2009 Total months: 36
Main Researcher:	José-Tomás San-José Lombera (LABEIN, Acciona-coordinator)
Applicant's contribution:	Responsible in the contract signing and technical achievements aa the Labein project manager.
6. Title of the project:	Open and fully compatible next generation of strengthening system for the ReHAbilitation on Mediterranean building heritage. *OPERHA*
Funding Entity:	European Union, FP6-2003-INCO-MPC-2-517765. **1.897.728€**
Duration from:	01Jan2006 To: 31Dec2008 Total months: 36
Main Researcher:	José-Tomás San-José Lombera (consortium coordinator)
Applicant's contribution:	Coordinator of the whole EU consortium (Euro-Mediterranean), responsible of technical and administrative matters in the whole, acting as the project manager in LABEIN-Tecnalia, too.

C.3. Contracts

1. Title of the contract:	Viability study on the reuse in concrete of by-products from steel Making industry. *HORESCO*
Funding Entity:	ACYMA. Contract PROD1733. **18.840€**
Duration from:	01Jun2005 To: 31Dec2006 Total months: 19
Main Researcher:	José-Tomás San-José Lombera (Labein)
Applicant's contribution:	Project manager form LABEIN-Tecnalia

C.4. Patents

Inventors:	*José-Tomás San-José y Jose Luis Ramírez*
Title:	Compression creep device for special concretes
Priority country:	Spain
Patent No	9802578 (3)
Date of concession	2004.03.30
Entity owner:	Fundación LABEIN
Company(ies) operating it or in which an assignment or licence agreement exists:	None

C.5. OTHERS: internacional conferences

1. M. Skaf, V. Revilla-Cuesta, J.T. San-José, V. López-Ausín, J.M. Manso (2023). Design Optimization of Self-compacting Concrete with Residues for Different Scenarios. Building for the Future: Durable, Sustainable, Resilient. Fib Symposium 2023, ISBN 978-3-031-32518-2. Wstambul (Turquia). doi.org/10.1007/978-3-031-32519-9.
2. A. Santamaria, M. Skaf, V. Ortega, ***J.T. San José***, F. Faleschini, J.J. González (2022). Uso prometedor de la escoria blanca de acería en materiales de construcción. VIII Congreso Internacional de Estructuras – ACHE. Santander (España) https://doi.org/10.33586/hya.2022. Santander (Spain).

3. A. Esteban; M. Losáñez; A. Santamaría; V. Ortega-López; ***J.T. San-José*** (2020). Acoustic studies of concretes containing industrial co-products: new experimental approaches. REHABEND. Granada (Spain).
4. A. Santamaria; M. Skaf; V. Ortega-López; E. Briz; ***J.T. San José***; J.J. González (2020). Durability Studies of Self-Compacting Concrete containing Electric Arc-Furnace Slag Aggregate. DBMC. Barcelona (Spain).
5. A. Santamaría; V. Ortega-López; M. Skaf; V. García; J.J. Gaitero; ***J.T. San José***; J.J. González (2019). Ladle furnace slag as cement replacement in mortar mixes. SCMT5, Code 149940. London (UK).
6. A. Santamaría; V. Ortega-López; M. Skaf; I. Marcos; ***J.T. San José***; J.J. González (2017). Performance of hydraulic mixes manufactured with electric arc furnace slag aggregates. 3rd Pan American Material Congress. San Diego (USA).

C.5. OTHERS: memberships of scientific congresses committees

1. VIII-ACHE 2022. "VIII Congreso Internacional de Estructuras – ACHE". Santander (Spain). 20-22June.
2. TEST&E 2022. 3rd Conference on Testing and Experimentation in Civil Engineering Smart Technologies. FCT nova, Campus of Caparica, Almada (Portugal). 21-23 June.
3. REHABEND 2020. "8th Euro-American Congress - Construction Pathology, Rehabilitation Technology and Heritage Management". Granada (Spain) Virtual. 28 Set to 02 Oct.
4. REHABEND 2018. "Euro-American Congress on Construction Pathology, Rehabilitation Technology and Heritage Management". Cáceres (Spain). 15-17May.

C.5. OTHERS: Recent supervised Theses

1. *Patricia Fernández López* (*international & industrial*): "Development of novel coatings on Al-Si alloys with improved wear, corrosion and tribocorrosion resistances by Plasma Electrolytic Oxidation technology". Supervisors: José-Tomás San-José Lombera & Sofia A. Alves (Tekniker). E.I. de Bilbao (UPV/EHU). set. 2023. Outstanding Cum Laude by unanimity.
2. *Verónica Garcia Cortés* (*international & industrial*): "*Sustainable limestone and EAF aggregate concretes through particle packing models (PPMs) and life cycle assessment (LCA)*". Supervisors: José-Tomás San-José Lombera & David García Estévez (TECNALIA). E.I. de Bilbao (UPV/EHU). May 2020. Outstanding Cum Laude by unanimity.
3. *Asier Vicente Rojo* (*international & industrial*): "*Methods for Ferrous Raw materials Characterization in Electric Steelmaking*". Supervisors: Javier-Jesús González Martínez & José-Tomás San-José Lombera. E.I. de Bilbao (UPV/EHU). Apr. 2020. Outstanding Cum Laude by unanimity.
4. *Alberto Esteban Gonzalez*: "*Estudio de las prestaciones acústicas de materiales de construcción que incorporen subproductos industriales*". Supervisors: José-Tomás San-José Lombera &Milagro Losáñez. E.I. de Bilbao (UPV/EHU). Dec. 2017. Outstanding Cum Laude by unanimity.
5. *Alessandra Gandini* (*international*): "*Climate change risk management for the sustainable development of the historic city: from the material to the territory*". Supervisors: José-Tomás San-José Lombera& Mariacristina Giambruno. E.I. de Bilbao (UPV/EHU). Jul. 2020. Outstanding Cum Laude by unanimity.
6. *Amaia Santamaria Leon* (*internacional & extraordinary award*): "*Development of cementitious matrix materials, with improved performance, incorporating by-products from the steelmaking industry*" (in English). Supervisors: José-Tomás San-José Lombera y Eduardo Rojí Chandro. E.I. de Bilbao (UPV/EHU). May 2017. Outstanding Cum Laude by unanimity. Extraordinary Doctoral Awards 2020.