MINISTERIO DE CIENCIA E INNOVACIÓN

Cofinanciado por la Unión Europea

AGENCIA ESTATAL DE INVESTIGACIÓN

CURRICULUM VITAE (CVA)

IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.

Part A. PERSONAL INFORMATION

CV date	26/03/2025

Firstname	José-Tomás		
Familyname	San-José-Lombera		
Gender (*)	Male	Birth date	03/06/1965
ID number	30572538H		
e-mail	josetomas.sanjose@ehu.es	URL Web	
Open Researcher and Contributor ID (ORCID) (*)		0000-0003-4904-6731	

(*) Mandatory

A.1. Current position

Position	Tenured Associate Professor (Profesor Titular de Universidad)		
Initial date	29th April 2010		
Institution	University of The Basque Country (UPV/EHU)		
Department/Center	Dpto. de Ingeniería Minera y Metalúrgica y Ciencia de los Materiales		
Country	Spain	Tel. number	+34 946014080
Keywords	Building, By-products, Concrete, Construction, Sustainability		

A.2.Previous positions (research activity interruptions, art. 14.2.b)

Period	Position/Institution/Country/Interruption cause
1992-2010	Labein-Tecnalia (different positions)
1999-2010	Assistant and Tenured Associate Professor at the UPV/EHU

A.3. Education

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

Part B. CV SUMMARY *(max. 5000 characters, including spaces)*

Jose Tomás San José Lombera is an Industrial Engineer (1991) and Doctor in Industrial Engineering from the University of the Basque Country (1996). After passing the National Qualification Tests for Tenure-track in Material Science (2007), he has been Tenured Associate Professor (*Profesor Titular de Universidad*) at the Faculty of Engineering Bilbao (UPV/EHU) since 2010. He was a Half-time Assistant Professor (*Profesor asociado*) between 1999 and 2010. In addition, the applicant was awarded positive recognition from ANECA for Full Professor in February 2018.

He is an associated research to Tecnalia since 2023 till 2028. Between 1992 and 2010, he worked at the research centre Labein-Tecnalia. He started his professional life as a scholarship student and in 2010 he was a Research Manager, responsible for R&D+i within a group of over 40 people. During this stage, 100% of their activity has been related with R&D+i, oriented towards sustainable construction in different lines of research. These 20 years of professional experience have helped him in his academic careers, having acquired a perspective, from outside the academic world, on the needs of the sector and its R&D+I (construction). In addition, the personal relations formed during this stage have served as a bridge between the academic and the industrial world. It is all expressed in a large number of quality indices

(scientific production) shared with industry, the collaboration on research projects and his work as a doctoral thesis director of industry employees.
Since his entry into university, his principal lines of research have been focused on achieving a greener construction sector, through the study and the analysis of sustainable lifecycle value in buildings and infrastructures, some new reinforcement systems of reinforced concrete and masonry structures, and the recovery of industrial by-products as raw materials in the construction sector.
Throughout this career, he has participated in 57 research projects (competitive calls), having been the Principal Researcher (IP) in 43 of them, reflecting his strong leadership capability. In addition, it may be highlighted that, from among the 43 projects that he has led, 8 were European calls (coordinating the OPERHA consortium, from the 6th Framework Program) and 22 were national, while the others were regional. In total, he have managed some €6,000,000 related to R&D projects.
The applicant has also demonstrated a high capacity for training. As well as his working life as a teacher, at present focused on the Master of Advanced Materials Engineering, of which he was the coordinator between the years 2014-19, he has also directed 21 doctoral theses: 11 international and 19 industrial doctorates. It is also worth mentioning that 19 of those doctoral students work (or worked) at industry and 5 are research personnel at Spanish universities. In addition, Dr. San-José, has directed/promoted 7 pre-doctoral and 1 post-doctoral study (Torres Quevedo) and, nowadays, is super vising 3 industrial doctorates (one international).
The results from the various research projects and doctoral theses were disseminated through 56 articles in high-impact JCR publications (33Q1 and 10D1), (impact H=27 Scopus), with 4 JCRs with over 100 cites and 10 more JCRs, with over 50. His research has also been disseminated through 104 conference addresses, presented at 73 international conferences. He has participated in 18 scientific committees. In addition, he has worked on several chapters in 10 books, as an editor of 2 of them (all with ISBN). He is also the co-author of a patent that was registered in 1998.
His participation in European projects, at international congresses and the direction of international theses have meant that the applicant knows the other researchers from different countries well, having worked with them and having shared publications (JCRs *etc*.) It may therefore be said that as an applicant, he is considered to be a prestigious researcher at an international level in the field of sustainable construction, which explains his participation on the panels of 33 doctoral theses (9 as president), 8 of which international and, his participation may be added as an evaluator of 5 international theses. Along the same lines, it may be said that he has acted as a reviewer of over 113 articles from 28 JCR journals, since the year 2002, serving as a referee for various high-impact journals, such as: Constr. Build. Mater. (since2007), Mater. Des. (since 2015) and Eng. Struct. (since 2015).
The CV of the applicant is characterized by balance. Balance marked by his academic activity as a university professor and his professional activity in the private sector. All his scientific results present him as a driving force in both areas, as well as the catalyzer of their integration.

Part C. RELEVANT MERITS *(sorted by typology)*

C.1. Publications (see instructions)

1. 5/5 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. Cites (Scopus): 2. 10.1016/j.cscm.2024.e03334.
2. 3/3 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. Cites (Scopus): 11. 10.1016/j.conbuildmat.2022.126977.
3. 4/4 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. Cites (Scopus): 13. 10.1016/j.cscm.2022.e00906.
4. 5/5 V. Ortega-López, A. García-Llona, V. Revilla-Cuesta, A. Santamaría, ***J.T .San-José***. Fiber-reinforcement and its effects on the mechanical properties of high-workability concretes manufactured with slag as aggregate and binder. *Journal of Building Engineering* 43 (2021) 102548.102548. Cites (Scopus): 46. 10.1016/j.jobe.2021.102548.

5. 5/5 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. Cites (Scopus): 51. 10.1016/j.scs.2020.102437.
6. 4/4 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.Cites (Scopus): 24. 10.1016/j.conbuildmat.2019.117790.
7. 3/4 A. Santamaria, A. Orbe, ***J.T. San-Jose***, J.J. Gonzalez (2018). A study on the durability of structural concrete incorporating electric steelmaking slag. *Constr. Build. Mater.,*161:94-111. Cites (Scopus): 74. 10.1016/j.conbuildmat.2017.11.121.
8. 4/5 F. Faleschini, A. Santamaría, M.A. Zanini,***J.T. San-José***, C. Pellegrino (2017). Bond between steel reinforcement bars and Electric Arc Furnace slag concrete. *Materials and Structures*, 50:170. Cites (Scopus): 45. 10.1617/s11527-017-1038-2.
9. 3/4 T. Herrero, I. Vegas, A. Santamaría, ***J.T. San-José***, M. Skaf (2016). Effect of high-alumina ladle furnace slag as cement substitution in masonry mortars. *Constr. Build. Mater.,*123: 404-413.Cites (Scopus): 54. 10.1016/j.conbuildmat.2016.07.014.
10. 1/4***J.T. San-José***, I. Vegas, I. Arribas, I. Marcos (2014). The performance of steel-making slag concretes in the hardened state. *Materials and Design*, 60:612–9.Cites (Scopus): 127. 10.1016/j.matdes.2014.04.030.

C.2. Conference addresses

1. A. Santamaría, M. Skaf, I. Marcos, ***J.T. San José***, J.J. González (2024). Analysis of Reinforced Concrete Components Containing Electric Arc Furnace Slag. ICCS2024, ISBN 978-3-031-80723-7. Guimarães (Portugal). doi.org/10.1007/978-3-031-80724-4. Presentación oral. Indexado en Scopus

2. 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. Estambul (Turquía). doi.org/10.1007/978-3-031-32519-9. Presentación oral. Indexado en Scopus

3. 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) doi.org/10.33586/hya.2022.SANTANDER. Presentación oral.

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). Presentación oral

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, ISSN 2515-3048. London (UK). Presentación oral. Indexado en Scopus

C.3. Research projects

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:	Sustainable development of hydraulic mixtures, from steel slags, for a building that is more adapted to climate change. Design of average strengths. 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
Applicant's contribution:	Technical and administrative coordinator in UPV/EHU.

3. Title of the project:	Maximizing 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 responsibility
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:	01Sept2006 To: 31Aug2009 Total months: 36
Main Researcher:	José-Tomás San-José-Lombera (LABEIN, Acciona-coordinator)
Applicant's contribution:	Responsibility for contract signing and technical achievements as 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 for most technical and administrative matters, while likewise acting as a project manager at LABEIN-Tecnalia.

C.4. Contracts, technological or transfer merits

C.4.1. 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.4.2. Patents

Inventors:	*José-Tomás San-José-Lombera & Jose Luis Ramírez Ortiz*
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 license agreement exists:	None