



Xabier Sukunza Pérez

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Summary of CV

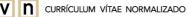
This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

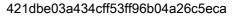
During the third course of the Bachelor's degree on Chemical Engineering (UPV/EHU) and when I was doing an internship in Novattia Desarrollos Ltd., I participated in the experimental phase of a PhD Thesis about drying of fine and ultrafine sand. As a result, I defended my Bachelor's Thesis about that topic. Subsequently, my Master Thesis (UPV/EHU and UC) was about designing a heat exchanger for the implementation of a gas burner into a spouted bed based pilot plant, which has been awarded in the 23rd ICPME and ICCE3 Student Conferences.

My PhD Thesis, having Roberto Aguado and Martin Olazar as supervisiors and with the collaboration of Novattia Desarrollos Ltd. Company, is about proposing innovative advances in the spouted bed technology in the fields of drying, combustion and torrefaction in semi-industrial scales.











Xabier Sukunza Pérez

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Current professional situation

Employing entity: Universidad del País VascoType of entity: UniversityDepartment: Chemical Engineering, Facultad de Ciencia y TecnologíaProfessional category: Pre-doc researcher fellow

Start date: 01/07/2019

Type of contract: Grant-assisted student (pre or **Dedication regime:** Full time post-doctoral, others)

Primary (UNESCO code): 332204 - Power transmission; 332809 - Evaporation; 332813 - Fluidization of solids; 332818 - Mass transfer

Performed tasks: In the CPWV research group at UPV/EHU, my research is focused in studying recent advances in drying, combustion and torrefaction of biomass, in a laboratory and semi-industrial scale.

Previous positions and activities

	Employing entity	Professional category	Start date
1	Novattia Desarrollos Ltd.	Head of Engineering Projects	29/10/2018
2	NOVATTIA DESARROLLOS Ltd.	Engineer	06/02/2017
3	NOVATTIA DESARROLLOS Ltd.	Engineer	01/03/2016

 1
 Employing entity: Novattia Desarrollos Ltd.
 Type of entity: Business

 Professional category: Head of Engineering Projects
 Start-End date: 29/10/2018 - 30/06/2019
 Duration: 8 months





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2 Employing entity: NOVATTIA DESARROLLOS Ltd. Department: I+D+i City employing entity: Derio, Basque Country, Spain Professional category: Engineer Start-End date: 06/02/2017 - 29/12/2017 Duration: 11 months Type of contract: Grant-assisted student (pre or post-doctoral, others) Dedication regime: Part time Performed tasks: I was involved in the development of new projects that the company wanted to carry out. 3 Employing entity: NOVATTIA DESARROLLOS Ltd. City employing entity: Derio, Basque Country, Spain Professional category: Engineer Start-End date: 01/03/2016 - 17/08/2016 Duration: 6 months Type of contract: Grant-assisted student (pre or post-doctoral, others) Dedication regime: Part time

Performed tasks: I helped the head project engineer to develop a new technology involving spouted bed.





Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree Name of qualification: Bachelor's degree on chemical engineering City degree awarding entity: Leioa, Basque Country, Spain Degree awarding entity: Universidad del País Vasco Type of entity: University Date of qualification: 12/07/2017 Average mark: Good Prize: Graduated achieving excellence Standardised degree: No

Other postgraduate university studies

Type of education: Masters Postgraduate qualification: Master's degree on chemical engineering City degree awarding entity: Leioa, Basque Country, Spain Degree awarding entity: Universidad del País Vasco Type of entity: University Faculty, institute or centre: Master and Doctoral School Date of qualification: 30/11/2018 Obtained qualification: 8.65 Standardised degree: No

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

1	Training title: Curso Práctico de Escritura Académica Awarding entity: Universidad del País Vasco End date: 14/12/2021	Type of entity: University Duration in hours: 32 hours			
2	Training title: Models and Modelling for Researchers				
	Awarding entity: Universidad del País Vasco	Type of entity: University			
	End date: 09/12/2020	Duration in hours: 9 hours			
3	Training title: Measurement and Measuring for Researchers				
	Awarding entity: Universidad del País Vasco	Type of entity: University			
	End date: 18/11/2020	Duration in hours: 9 hours			
4	Training title: Designing and Preparing a Research Put	blication			

 4
 Training title: Designing and Preparing a Research Publication

 Awarding entity: Universidad del País Vasco
 Type of entity: University

 End date: 17/06/2020
 Duration in hours: 24 hours







- 5 Training title: Desingning and Building a Critical State of the Art for Research Awarding entity: Universidad del País Vasco End date: 18/03/2020
 6 Training title: Seguridad y Manejo de Puente Grúa Awarding entity: CESLAN FORMACIÓN End date: 11/02/2020
 7 Type of entity: Entidad de Formación Duration in hours: 8 hours
- Training title: UPV/EHU-UPPA Cross-Border Doctorials
 Awarding entity: Université de Pau et des Pays l'Adour
 End date: 24/10/2019
 Type of entity: University
 Duration in hours: 36 hours

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Basque	C1	C1	C1	C1	C1
English	C1	C1	C1	C1	C1

Teaching experience

Experience supervising doctoral thesis and/or final year projects

Project title: Operazio baldintzen eragina hondar-biomasen torrefakzioanEntity: Universidad del País VascoType of entity: UniversityStudent: Unai EnriquezDate of reading: 08/09/2021









Scientific and technological activities

Scientific production

Publications, scientific and technical documents

1 Xabier Sukunza; Aitor Pablos; Roberto Aguado; Jorge Vicente; Haritz Altzibar; Martin Olazar. Continuous drying of fine and ultrafine sands in a fountain confined conical spouted bed. Powder Technology. 388, pp. 371 - 379. Elsevier, 21/04/2021.

Type of production: Scientific paper Corresponding author: Yes Format: Journal

 Xabier Sukunza; Aitor Pablos; Roberto Aguado; Jorge Vicente; Javier Bilbao; Martin Olazar. Effect of the Solid Inlet Design on the Continuous Drying of Fine and Ultrafine Sand in a Fountain Confined Conical Spouted Bed. Industrial & Engineering Chemistry Research. 59 - 19, pp. 9233 - 9241. 22/04/2020.
 Type of production: Scientific paper Corresponding author: No

Works submitted to national or international conferences

 Title of the work: Waste Valorization (Pastic and Tyres)
 Name of the conference: VII Jornadas de Investigación de la Facultad de Ciencia y Tecnología Corresponding author: No
 City of event: Leioa, Basque Country, Spain
 Date of event: 16/03/2020
 End date: 18/03/2020
 Organising entity: Universidad del País Vasco
 Type of entity: University
 City organizing entity: Bilbao, Basque Country, Spain
 Aitor Atxutegi; Roberto Aguado; Haritz Altzibar; Maider Amutio; Miriam Arabiourrutia; José María Arandes; Aitor Arregi; Maite Artetxe; María Cortazar; Idoia Estiati; Enara Fernández; Iris García; Alazne Gutiérrez; Javier Izquierdo; Gartzen López; Martin Olazar; Santiago Orozco; Aitor Pablos; Roberto Palos; Laura

Santamaría; Xabier Sukunza; Mikel Tellabide; David Trueba; Francisco Javier Vela.

- Title of the work: Effect of fountain confiner on kaolin entrainment in a conical spouted bed dryer Name of the conference: 23rd International Congress on Project Management and Engineering Corresponding author: Yes City of event: Málaga, Andalusia, Spain Date of event: 10/07/2019 End date: 12/07/2019 Organising entity: AEIPRO Xabier Sukunza Pérez; Aitor Pablos Castro; Roberto Aguado Zarraga; Jorge Vicente Peñalosa; Martín Olazar Aurrekoetxea.
- Title of the work: Modelling of a heat exchanger for a spourted bed based pilot plant
 Name of the conference: 23rd International Congress on Project Management and Engineering
 Corresponding author: Yes

City of event: Málaga, Andalusia, Spain







 Date of event: 10/07/2019

 End date: 12/07/2019

 Organising entity: AEIPRO

 Xabier Sukunza Pérez; Roberto Aguado Zarraga. "Modelling of a heat exchanger for a spourted bed based pilot plant".

 Title of the work: Effect of feed zone on ultrafine sand entrainment in a conical spouted bed dryer Name of the conference: ANQUE-ICCE-CIBIQ 2019 Corresponding author: Yes City of event: Santander, Cantabria, Spain Date of event: 19/06/2019 End date: 21/06/2019 Organising entity: ASOCIACION NACIONAL DE QUIMICOS DE ESPAÑA City organizing entity: Spain Xabier Sukunza Pérez; Aitor Pablos Castro; Jorge Vicente Peñalosa; Roberto Aguado Zarraga; Martín Olazar Aurrekoetxea. "Effect of feed zone on ultrafine sand entrainment in a conical spouted bed dryer".

5 Title of the work: Dynamic model of a heat exchanger for the implementation of a gas burner in a spouted bed based pilot plant
Name of the conference: ANQUE-ICCE 3 Student Conference
Corresponding author: Yes
City of event: Santander, Cantabria, Spain
Date of event: 17/06/2019
End date: 18/06/2019
Organising entity: ASOCIACION NACIONAL DE QUIMICOS DE ESPAÑA
City organizing entity: Spain
Xabier Sukunza Pérez; Roberto Aguado Zarraga. "Dynamic model of a heat exchanger for the implementation of a gas burner in a spouted bed based pilot plant".

 6 Title of the work: Drying of ultrafine sands using a fountain confined conical spouted bed Name of the conference: XXXV Jornadas Nacionales de Ingeniería Química Corresponding author: Yes City of event: Salamanca, Castile and León, Spain Date of event: 06/07/2018 Organising entity: Universidad de Salamanca Type of entity: University

Organising entity: Universidad de SalamancaType of entity: UniversityCity organizing entity: Salamanca, Castile and León, SpainRoberto Aguado Zarraga; Aitor Pablos Castro; Xabier Sukunza Pérez; Jorge Vicente Peñalosa; MartinOlazar Aurrecoechea. "Drying of ultrafine sands using a fountain confined conical spouted bed".









Other achievements

Obtained grants and scholarships

- 1
 Name of the grant: PhD Grant (PIF 2018/312)

 Aims: Pre-doctoral
 Awarding entity: Universidad del País Vasco

 Conferral date: 13/06/2019
 Type of entity: University

 End date: 09/06/2020
 Duration: 4 years

 Entity where activity was carried out: Universidad del País Vasco

 Faculty, institute or centre: Chemical Engineering Department
- Name of the grant: ERASMUS +
 Aims: Erasmus+
 Awarding entity: Universidad del País Vasco
 Conferral date: 10/2017
 Duration: 6 months
 End date: 30/06/2018
 Entity where activity was carried out: Norwegian University of Science and Technology (NTNU)
- Name of the grant: Lan Mundura Trantsizioa
 City awarding entity: Derio, Basque Country, Spain
 Aims: Internship
 Awarding entity: Universidad del País Vasco
 Conferral date: 01/10/2017
 End date: 29/12/2017
 Entity where activity was carried out: NOVATTIA DESARROLLOS S.L.
- Name of the grant: Santander CRUE CEPYME prácticas en empresas
 City awarding entity: Derio, Basque Country, Spain
 Aims: Intenship
 Awarding entity: Universidad del País Vasco
 Conferral date: 01/02/2016
 End date: 31/08/2016
 Entity where activity was carried out: NOVATTIA DESARROLLOS S.L.
- 5 Name of the grant: Ayuda para Formación de Profesorado Universitario (FPU18/04935)
 Aims: Pre-doctoral
 Awarding entity: Ministerio de Ciencia e Innovación. Type of entity: Secretaría General de Universidades Universidades
 Conferral date: 21/05/2020
 Duration: 4 years - 40 months
 Entity where activity was carried out: Universidad del País Vasco
 Faculty, institute or centre: Facultad de Ciencia y Tecnología







Prizes, mentions and distinctions

1 Description: Best Master thesis award Awarding entity: AEIPRO Conferral date: 11/07/2019

Type of entity: Associations and Groups

- 2 Description: Award to the best poster communication Awarding entity: ASOCIACION NACIONAL DE QUIMICOS DE ESPAÑA Conferral date: 18/06/2019
- Description: Graduated achieving excellence
 Awarding entity: Universidad del País Vasco
 City awarding entity: Leioa, Basque Country, Spain
 Conferral date: 17/04/2018

