



Massimo Poletto

Abitazione :

Lavoro : Dipartimento di Ingegneria Industriale - Università di Salerno, Via Giovanni Paolo II,
132, 84084, Fisciano, Italia

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Data di nascita: **Nazionalità:** Italiana

ESPERIENZA LAVORATIVA

[27/12/2012 – Attuale]

Professore Ordinario

Dipartimento di Ingegneria Industriale dell'Università degli Studi di Salerno

Città: Fisciano (SA)

Docente del settore scientifico disciplinare di Impianti Chimici (ING-IND/25)

[31/10/2001 – 27/12/2012]

Professore Associato

Facoltà di Ingegneria dell'Università degli Studi di Salerno

Città: Fisciano (SA)

Docente del settore scientifico disciplinare di Impianti Chimici (ING-IND/25) afferente al Dipartimento di Ingegneria Chimica (dal 2011 Dipartimento di Ingegneria Industriale)

[30/11/1994 – 31/10/2001]

Ricercatore Universitario

Facoltà di Ingegneria dell'Università degli Studi di Salerno

Città: Fisciano (SA)

Ricercatore del settore scientifico disciplinare di Impianti Chimici (ING-IND/25) afferente al Dipartimento di Ingegneria Chimica

ISTRUZIONE E FORMAZIONE

[30/09/1983 – 25/01/1989]

Laurea in Ingegneria Chimica

Facoltà di Ingegneria dell'Università degli Studi di Napoli Federico II

Indirizzo: Napoli, Italia

[31/03/1990 – 27/02/1993]

Dottorato di Ricerca in Ingegneria Chimica

Dipartimento di Ingegneria Chimica dell'Università degli Studi di Napoli Federico II

Indirizzo: Napoli, Italia

[28/02/1993 – 26/03/1994]

Borsa di Perfezionamento all'estero finanziata da Università degli Studi di Napoli Federico II

Aerospace and Mechanics Department - University of Minnesota

Indirizzo: Minnesota, Stati Uniti

Periodo di formazione Post Dottorato sotto la guida del prof Daniel. D. Joseph

ESPERIENZA NEL SISTEMA DIGESTIONE DELLA QUALITÀ ACCADEMICA

[03/02/2020 – Attuale]

Membro del Presidio della Qualità di Ateneo dell'Università di Salerno

Referente del gruppo SUA-CDS e membro del gruppo Commissioni Paritetiche Docenti-Studenti.

[30/11/2018 – Attuale]

Membro della Commissione Paritetica Docenti-Studenti del Dipartimento di Ingegneria Industriale

[17/02/2022 – Attuale]

Candidato idoneo all'Albo Esperti degli Esperti della Valutazione (AVA) Profilo Disciplinare, Area Disciplinare 09

[12/2022 – Attuale] **Candidato idoneo all'Albo Esperti degli Esperti della Valutazione (AVA) Esperto di Sistema**

[17/01/2022 – 17/01/2022] **Valutatore responsabile visita di Sorveglianza Quacing**

Valutazione, in qualità di valutatore responsabile Quacing, della rispondenza al modello Eurace del Corso di Laurea in Ingegneria Chimica e di Processo e Corso di Laurea Magistrale in Ingegneria Chimica e di Processo dell'Università di Genova. Visita eseguita il 17 Gennaio. Nella visita era presente un Osservatore.

[30/11/2018 – 30/03/2021]

Presidente della Commissione Paritetica Docenti-Studenti del Dipartimento di Ingegneria Industriale

[07/05/2018 – 09/05/2018] **Team Leader nel gruppo di visita Quacing**

Valutazione, in qualità di Team leader Quacing, della rispondenza al modello Eurace del Corso di Laurea in Ingegneria Chimica e di Processo e Corso di Laurea Magistrale in: Ingegneria Chimica e di Processo dell'Università di Genova. Visita eseguita il 07-09 Maggio.

[16/04/2018 – 17/04/2018] **Componente Osservatore nel Gruppo di Visita Quacing**

Valutazione in qualità di membro osservatore Quacing della rispondenza al modello Eurace del Corso di laurea Magistrale in Ingegneria chimica e dei processi industriali dell'Università di Padova. Visita eseguita il 16-17 Aprile.

[31/01/2011 – 31/01/2016]

Presidente di Area Didattica/Consiglio Didattico di Ingegneria Chimica dell' Università di Salerno

DIDATTICA ISTITUZIONALE

[2019 – Attuale] **Ingegneria delle Reazioni Chimiche**

Insegnamento da 6 CFU della Laurea Magistrale in Ingegneria Chimica del settore IND-IND/25. Titolare

[1997 – Attuale] **Ingegneria Chimica Ambientale**

Insegnamento da 6 CFU di Laure triennale in Ingegneria Chimica del settore IND-IND/25. Intero insegnamento o in collaborazione con altri docenti come titolare e non.

[2001 – Attuale] **Tecnologia delle Polveri - Tecnologia delle particelle**

Insegnamento da 6 CFU di Laure Magistrale in Ingegneria Chimica del SSD ING-IND25. Titolare dell'insegnamento dal 2014 sempre in collaborazione con altri docenti.

[1994 – 2020] **Impianti Biochimici**

Nel tempo: 1) Insegnamento Annuale del Corso di Laurea in Ingegneria Chimica V.O.; 2) Insegnamento da 6 CFU e modulo da 6 CFU del Corso di laure Magistrale in Food Engineering, erogato in Lingua Inglese dal 2010. Incarico per seminari ed esercitazioni negli anni 1995-2000. Insegnamento del settore IND-IND/25. Titolare dell'insegnamento dal 2001 al 2020.

[1997 – 2000] **Tecnica della Sicurezza Ambientale**

Modulo 6 CFU del corso di Diploma di Ingegneria dell'Ambiente e delle Risorse Insegnamento del settore IND-IND/25. Docente per supplenza

[1993 – 2006] **Esercitazioni e seminari in altri corsi del SSD e anni**

negli anni e con diversa intensità ha svolto esercitazioni e seminari sugli insegnamenti di:

Impianti Chimici

- Impianti Chimici e Processi dell'Industria Alimentare
- Impianti dell'Industria Alimentare
- Dinamica e Controllo dei Processi Chimici
- Termodinamica

COORDINAMENTO ATTIVITÀ ORGANIZZATIVE ACCADEMICHE

[2020] **Inserito nella lista Aspirante Commissario ASN per il Settore Concorsuale 09/D3**

[2017 – Attuale]

Responsabile della commissione sulle attività didattiche per il Dottorato di Ingegneria Industriale

[2017 – Attuale] **Membro interno Procedure Comparative e Valutative**

- 1 Comparativa Ordinario: 2021 Università di Salerno
- 1 Valutativa Ordinario: 2020 Università di Salerno
- 1 Comparativa Associato: 2018 Università di Salerno
- 1 Valutativa Associato: 2018 Università di Salerno
- 2 Comparative RTDB: 2022 Università Federico II Napoli; 2020 Università di Salerno
- 1 Comparative RTDA: 2021 Università Vanvitelli

[02/2016 – 04/2021]

Responsabile della Commissione di accesso alle Lauree Magistrali del Consiglio Didattico di Ingegneria Chimica

[2003 – 2010] **Responsabile della Commissione Didattica dell'Area Didattica di Ingegneria Chimica.**

Commissario per Valutazioni Comparative per Ricercatore SSD ING-IND/25

- 2008 Università di Pisa
- 2006 Università degli Studi di Napoli *Federico II*
- 2000 Università degli Studi di Napoli *Federico II*
- 1999 Univeristà della Calabria

Commissario in esami finali dottorato

- 2023 Dottorato in Ingegneria Chimica con sede presso l'Università di Napoli Federico II
- 2022 Dottorato in Ingegneria Industriale con sede presso l'Università di Salerno (commissione Internazionale per singolo dottorato)
- 2016 Dottorato in Ingegneria Chimica con sede presso l'Università di Napoli Federico II
- 2009 Dottorato in Ingegneria e Modellistica Fisico-Matematica XXI Ciclo con sede presso l'Università dell'Aquila
- 2008 Dottorato in Ingegneria Chimica con sede presso l'Università di Napoli Federico II
- 2007 Dottorato in Ingegneria Chimica con sede presso l'Università della Calabria
- 2004 Dottorato in Ingegneria Chimica con sede in Padova
- 2004 Dottorato in biotecnologie con sede presso l'Università di Napoli Federico II

ATTIVITÀ DI RICERCA

Sintesi

L'attività scientifica si è incentrata sullo studio di apparecchiature innovative per il contatto tra fasi. Agli inizi ha riguardato lo studio dell'estrazione con fluidi supercritici con approfondimenti sia sperimentali che modellistici rivolti alla comprensione dei fenomeni di trasporto di materia nella estrazione sia da matrici solide naturali in apparecchiature semi-continue che da liquidi in apparecchiature continue. Oggetto della tesi di dottorato e degli anni di studio immediatamente successivi è stata la fluidodinamica della fluidizzazione uniforme e bollente. Questo studio di carattere essenzialmente sperimentale con alcuni sviluppi modellistica ha riguardato l'individuazione delle cause e delle modalità della insorgenza delle instabilità nella fluidizzazione uniforme e la caratterizzazione delle stesse instabilità rivolta alla individuazione della natura delle forze stabilizzatrici. Gli studi recenti hanno riguardato lo scarico di polveri fini da tramogge e della fluidizzazione vibrata. Questi studi sono pervenuti alla definizione di originali formule predittive della portata di scarico di solidi fini e coesivi in condizioni aerate e delle condizioni critiche di aerazione per superare i problemi di involtamento e formazione di cunicoli. Sono state studiate anche le interazioni tra la segregazione per dimensione dei solidi granulari, che si manifesta nelle operazioni di caricamento dei silos, e lo scarico aerato delle polveri. La fluidizzazione vibrata è stata utilizzata per individuare una relazione tra il comportamento aggregativo di polveri fini e le proprietà di flusso delle polveri. Questi studi hanno consentito di mettere in luce e modellare il comportamento dinamico del letto fluidizzato al variare della

frequenza delle vibrazioni applicate. Le attività di ricerca attualmente in corso riguardano: 1) lo studio delle proprietà di flusso delle polveri sia con tecniche standard sia con tecniche innovative finalizzate alla misura in condizioni di processo caratterizzate da aria umida o da alta temperatura; 2) lo studio delle proprietà di flusso delle biomasse lignocellulosiche; 3) lo studio della fluidizzazione vibrata di polveri aeratabili e coesive; 4) la ottimizzazione dei processi di sinterizzazione laser intervenendo sulle proprietà delle polveri utilizzate e sulla loro preparazione.

Impatto Bibliometrico

A Maggio 2023 Massimo Poletto è autore di oltre 200 pubblicazioni presentazioni a convegno, di cui circa 100 sono state pubblicate riviste internazionali e in capitoli di libro. 128 lavori sono indicizzati dal database Scopus, secondo il quale il numero totale di citazione è pari a 2615, provenienti da 1760 diversi documenti negli ultimi tre anni le citazioni hanno raggiunto un numero medio di circa 270 per anno. Lo h-index, secondo Scopus, è 31.

La lista completa delle pubblicazioni è riportata in

ALLEGATO 1

ed è reperibile presso il database ORCID:

<https://orcid.org/0000-0002-1145-7650>

oppure presso la pagina web personale dell'Università di Salerno

<https://docenti.unisa.it/001715/ricerca/pubblicazioni?anno=0>

[1992 – Attuale] **Attività di Revisione**

Revisore di oltre 280 lavori su riviste di Ingegneria Chimica e di Tecnologia delle Polveri tra cui:

- AIChE Journal
- Chemical Engineering Science
- Chemical Engineering Journal
- Industrial and Engineering Chemistry Research
- Powder Technology
- Advanced Powder Technology
- Additive Manufacturing

[1998 – Attuale] **Comitati Scientifici di Convegno**

Membro del Comitato scientifico di oltre 20 convegni Nazionali ed Internazionali dell'ingegneria Chimica e della tecnologia delle polveri tra cui:

- World Conference on Particle Technology (WCPT)
- Conveying and Handling of Particulate Solids (CHoPS)
- Reliable Flow of Particulate Solids (RELPOWFLO)
- International Conference on Chemical & Process Engineering (Icheap)
- International Congress of Chemical and Process Engineering (CHISA).

[1998 – Attuale] **Relatore di Tesi di Dottorato**

Relatore o membro di comitato scientifico di oltre 15 tesi di dottorato

[05/07/2022 – 09/07/2022] **Chair della 10th Conference for Conveying and Handling of Particulate Solids**

CHOPS 2022 Salerno, Italy

INCARICHI INTERNAZIONALI CONNESSI ALL'ATTIVITÀ DI RICERCA

[01/10/2019 – 30/09/2022] **Guest Professor alla East China University of Science and Technology, Shanghai, China**

[08/2018 – Attuale] **Membro ISC CHoPS**

Membro permanente del International Scientific Committee per International Conference for Conveying and Handling of Particulate Solids CHoPS

[08/04/2009 – Attuale] **Membro del Comitato Editoriale e Topic Coordinator per ChERD**

Membro del comitato editoriale e Topic Coordinator della rivista Chemical Engineering Research and Design, organo ufficiale dell'ICHEME Institution of Chemical Engineers) e della EFCE (Federazione Europea di Ingegneria Chimica).

[08/04/2009 – Attuale] **Membro del Comitato di assegnazione della Medaglia Derek Geldart**

Membro del comitato scientifico of the award committee of the Derek Geldart Medal - IChemE Research Medals – Research in Particle Technology

[31/12/2003 – Attuale]

Membro delegato AIDIC dal 2004 presso Working Party on Mechanics of Particulate Solids della EFCE

[05/07/2022 – 09/07/2022] **Co-chair of CHoPS 2022 Conference**

Conference Co-chair of "*The 10th International Conference on Conveying and Handling of Particulate Solids*" CHoPS 2022 - Salerno, Italy, July 5-9, 2022

[31/03/2016 – 30/03/2019] **Guest Professor alla East China University of Science and Technology, Shanghai, China**

[31/12/2007 – 30/12/2013] **Chair del Working Party on Mechanics of Particulate Solids della EFCE**

Chairman (years 2008-2010 re-elected for the years 2011-2013) del Working Party on Mechanics of Particulate Solids della European Federation of Chemical Engineers.

[2017 – 2022] **Consigliere di amministrazione di Prodal Scarl**

Prodal S.c.ar.l. è un centro di ricerca interuniversitario inserito nell'Albo dei Laboratori di ricerca accreditati dal MIUR. Nasce come evoluzione del Centro Regionale di Competenza Produzioni Agroalimentari, realizzato nell'ambito della misura 3.16 del POR Campania 2000–2006.

[2021 – Attuale]

Panelist per Chemical Engineering Individual Call to Scientific Employment Stimulus - 5th Edition della Fundação para a Ciência e a Tecnologia - Portogallo

CICLI DI SEMINARI ED IN- SEGNAMENTI INVISITA

[08/2019] **East China University of Science and Technology**

Ciclo di seminari di 18 h "Short course in Powder Technology" presso East China University of Science and Technology (Shanghai).

[04/2019] **CISM**

6 seminari (4.5h) presso la Summer School del Centro Internazionale Studi sulla Meccanica (Udine) "Cohesive granular materials, description and flowing properties".

[05/2017] **East China University of Science and Technology**

Ciclo di seminari di 14 h dal titolo "Powder Technology-and model and reporting building" at East China University of Science and Technology (Shanghai).

[08/2015] **East China University of Science and Technology**

Ciclo di seminari di 16 h su "Powder Technology From Fundamental to Research" presso East China University of Science and Technology.

[19/05/2013 – 19/07/2013] **Université de Technologie Compiègne**

Contratto per un ciclo di lezioni su operazioni Unitarie (TF14 mass transfer unit operation)

[05/2007] **Universidad Latinoamericana y del Caribe**

Corso compattato da 40 h di "Sviluppo sostenibile ed innovazione tecnologica" nell'ambito del Master in Scienze Politiche, Diplomatiche e dell'Integrazione organizzato dall'Università di Salerno presso Ulac (Universidad Latinoamericana y del Caribe), Caracas, Venezuela

[09/2006] **Fachhochschule Frankfurt**

30 h di corso di Biochemical Reactors at "Fachhochschule Frankfurt- Fachbereich 2 – Informatik und Ingenieurwissenschaften".

External referee per una promozione ad Full Professor presso University of Wollongong Australia.

[03/2019] **External examiner per il titolo di PhD degree at the University of Surrey**

External examiner per il titolo di PhD degree at the University of Surrey. Thesis "Flowability Assessment of Weakly Consolidated Powders".

[12/2018]

External referee per una promozione ad Full Professor presso Sheffield-Hallam University UK.

[08/2015] **External examiner per il titolo di PhD presso University of Greenwich**

External examiner per il titolo di PhD presso University of Greenwich, thesis "Airslide basic modelling".

[08/2015]

External referee per una promozione ad Associate Professor presso University of Newcastle Australia

[04/2015]

External examiner per il titolo "Habilitation to Conduct Researches" presso Université de Technologie de Compiègne

External examiner per il titolo "Habilitation to Conduct Researches" presso Université de Technologie de Compiègne, thesis "Technological Research in Particle and Powder Technology: Mechanical Behaviour of Particles and Powders as Bulk Solids; Dustiness of Powders as Bulk Solids; Aerosolization of Particles from Solid Surfaces".

[10/2014] **External examiner per il titolo di PhD presso University of Leeds**

External examiner per il titolo di PhD presso University of Leeds, thesis "Assessing Flowability of Cohesive Powders by Ball Indentation".

[10/2011] **External examiner per il titolo di PhD presso University of Greenwich**

External examiner per il titolo di PhD presso University of Greenwich, thesis "A mathematical model to predict the deblending of pharmaceutical powder when discharged from an intermediate bulk container into an unvented chute".

CONFERENZE E SEMINARI

[16/11/2022] **Characterization methods of powder flowability** Online event

Invited talk for Spotlight Talks on Mechanics of Particulate Solids of the European Federation of Chemical Engineers

[14/09/2022] **Powder Layer Formation in Selective Laser Sintering: Characterization and Modelling**

Leeds, United Kingdom

Invited speaker at AiPT – Advances in Powder Technology Conference Auditorium,

[27/01/2021] **Interparticle forces** On line event

1 h seminar at Event 1 meeting of Tusail project

[28/04/2021] **The relevance of particle mechanics concepts in SLS** On line event

1 h seminar on Advanced Training Course 2 meeting of Mathegram project.

[26/02/2020] **Powder flow characterization methods** Patiala, India

Invited Plenary workshop at Third International Conference on Powder, Granule and Bulk Solids: Innovations and Applications PGBSIA 2020.

- [26/02/2020] **Powder flow properties at process conditions and the role of interparticle forces** Patiala, India
Invited Plenary at Third International Conference on Powder, Granule and Bulk Solids: Innovations and Applications PGBSIA 2020
- [17/11/2019] **Mechanical characterization of granular systems** Graz (AT)
1.5 h seminar at Advanced Training Course of Mathegram project.
- [17/11/2019] **Quality for study programmes @ UNISA** Università di Salerno
1h seminar during the visit at UNISA for FOODI project partners.
- [17/06/2019] **Interpretazione delle misure di reometri** Roma
1h invited keynote at "XVI Convegno Nazionale dell'Associazione Italiana di Reologia"
- [28/04/2019] **Particle mechanics and SLS of non-metallic materials** Guildford University of Surrey
1h invited seminar
- [15/01/2018] **Mechanics of particulate solids concepts applied to the flow of woody biomass materials** Swedish University of Agricultural Sciences - Umea
1 h seminar at Workshop "Sustainable Biomass Handling, Pretreatment & Processing Meeting"
- [06/09/2018] **Concepts of particle mechanics in SLS of non-metallic materials** Parigi
1h invited speech at EFCE Meeting on CHEMICAL ENGINEERING & 3D PRINTING
- [25/01/2017]
Measurement of the bulk properties of particulate systems at changing temperature, air humidity, and degree of aeration and the relationship with inter-particle forces
Schiphol (NL)
2h seminar at T-MAPPP Winter School
- [22/01/2017] **Measurement of powder flow properties and relation with interparticle properties**
Schiphol (NL)
Short invited seminar at Joint IFPRI/T-MAPPP Workshop.
- [25/01/2016]
Studies on the relationship between macro and micro scale mechanics in particulate systems
Imperial College - London (UK)
1h invited seminar at Particle Technology Special Interest Group – IchemE Annual General Meeting
- [27/09/2015] **Measurement of powder flow properties at low consolidation** Barcellona
Invited Keynote speech at ECCE-10-HANHAZ Symposium Barcelona.
- [22/05/2014] **The role of aggregation in fluidization and flow of cohesive powders** Beijing (China)
Invited Keynote speech at 7th World Conference on Powder Technology.
- [05/12/2011]
Cohesive interparticle forces and bulk flow properties in fluidisation and powder flow: is a coordinated view possible and convenient?
Royal Chemistry Society, Londra
1h invited Seminar at Powder Flow, RIBA, Portland Place, London
- [29/09/2011]
The similar role of aggregation of cohesive powders in aerated discharge and vibrated fluidization
Otto-von-Guericke-University Magdeburg
1h invited Seminar at Mechanical Process Engineering Department.

- [19/05/2009] **Efflusso di polveri fini e coesive da sili aerati** Università di Padova
1h di seminario su invito presso Dipartimento di Principi di Ingegneria Chimica e di Impianti Chimici
- [13/02/2007] **Lo scarico di polveri coesive da sili aerati** Università della Calabria - Cosenza
1h seminario invitato presso Dipartimento di Ingegneria Chimica e dei Materiali
- [12/10/2004] **Lo scarico di polveri coesive da sili: vecchi problemi e nuove proposte** Università di Padova
1h di seminario su invito presso Dipartimento di Principi di Ingegneria Chimica e di Impianti Chimici
- [04/1995] **Densità e viscosità apparenti di sospensioni di particelle macroscopiche**
Università Federico II di Napoli
1h di Seminario invitato nel ciclo di Seminari di Ingegneria Chimica presso il Dipartimento di Ingegneria Chimica.
- [04/1994] **The effective density and viscosity of a solid-liquid suspension** Cargese (Francia)
seminario nel corso di Scuola Nato "Mobile particulate systems"
- [04/1994]
Hot wire anemometry applied to the characterization of the dynamic behaviour of fluidized suspensions
Cargese (Francia)
seminario nel corso di Scuola Nato "Mobile particulate systems"
- [03/1994]
Fluidization of solids with carbon dioxide between atmospheric and nearly critical conditions
Università del Minnesota
1h Seminario presso Aerospace Engineering and Mechanics Department

PROGETTI

- [2021 – 2026] **Maximise H2 Enrichment in Direct Reduction Shaft Furnaces**
Coordinatore Locale for MaxH2DR- Maximise H2 Enrichment in Direct Reduction Shaft Furnaces. Grated with HORIZON-CL4-2021-TWIN-TRANSITION-01-18
- [31/12/2018 – Attuale] **'Multiscale Analysis of Thermomechanical Behaviour of Granular Materials "MatheGram"**
Coordinatore locale del progetto 813202 — MatheGram — H2020-MSCA-ITN-2018, Marie Skłodowska-Curie Innovative Training Network.
- [14/11/2018 – Attuale] **Education at master level in innovation in Food Technologies "FOODI"**
Responsabile Locale di 598987-EPP-1-2018-1-MY-EPPKA2-CBHE-JP Erasmus+ Capacity Building project on Education at master level in innovation in Food Technologies "FOODI" (EU)
- [2005 – 2008] **Misura di proprietà aggregative nella fluidizzazione di polveri fini e coesive**
Coordinatore di unità operativa di progetto PRIN
- [2004 – 2006]
Effetto dell'aerazione sullo scarico di tramogge aerate caricate con solidi segregati per dimensione
Coordinatore locale del progetto finanziato con legge regionale 5/02- Annualità 2003.
- [2002 – 2004] **Segregazione e miscelazione di solidi granulari in tramogge aerate**
Coordinatore locale del progetto finanziato con legge regionale 5/02- Annualità 2000.

[2002 – Attuale] **Responsabile di 11 progetti biennali finanziati dall'Ateneo**

Responsabile di Convenzioni di Ricerca con enti

Responsabile di Convenzioni di Ricerca con enti tra cui,

- Anton Paar
- Artes Ingegneria
- Sacmi
- University College London
- Sense Square

COMPETENZE LINGUISTICHE

Lingua madre: italiano

Altre lingue:

inglese

ASCOLTO C2 **LETTURA** C2 **SCRITTURA** C2

PRODUZIONE ORALE C2 **INTERAZIONE ORALE** C1

francese

ASCOLTO B1 **LETTURA** B1 **SCRITTURA** A1

PRODUZIONE ORALE A2 **INTERAZIONE ORALE** A2

COMPETENZE DIGITALI

Posta elettronica | Utilizzo del browser | Windows | Microsoft Office | conoscenza Sketchup e Visio | Conoscenza Matlab | Conoscenza Labview

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

ALLEGATO 1**ELENCO DELLE
PUBBLICAZIONI
DI MASSIMO
POLETTO****THESES**

- A1) **M. Poletto**
Estrazione con anidride carbonica supercritica: prove preliminari su trinciati di tabacco
Graduation thesis at *Facoltà di Ingegneria* of *Università degli Studi di Napoli Federico II*, (1989).
- A2) **M. Poletto**
Stabilità di letti uniformemente fluidizzati con anidride carbonica a pressione e temperatura tra condizioni ambiente e prossime al punto critico
Doctoral Thesis at *Dipartimento di Ingegneria Chimica* of *Università degli Studi di Napoli Federico II*, (1992)

ITALIAN CONFERENCES

- B1) **M. Poletto**, P. Salatino
Fluidodinamica di sistemi solido-gas in condizioni prossime al punto critico
Proc. of *I fluidi supercritici e le loro applicazioni*, Amalfi, June 24 – 25 (1991), pag. 135-146.
- B2) G. Donsì, M.C. Bruno, G. Ferrari, **M. Poletto**
L'utilizzazione della tecnologia delle alte pressioni per la conservazione degli alimenti
Proc. of the GRICU (Italian Association of Chemical Engineering Researchers) conference, Ferrara, Italy, Sept. 23-25 (1998), pag 273-274.
- B3) D. Barletta, G. Donsì, G. Ferrari and **M. Poletto**
The shear stress measurement for aerated powders by a modified Peschl shear cell
Proc. of the GRICU (Italian Association of Chemical Engineering Researchers) conference, Ischia, Italy, Sept. 12-15 (2004), pag 1367-1370. ISBN: 88 87030 80 4
- B4) D. Sofia, D. Barletta, M. Poletto
Flusso dei materiali granulari nel processo di sinterizzazione laser
Poster paper at *Convegno GRICU, Anacapri (NA), Italy*, 12 - 14 Settembre 2016, poster A29.

ITALIAN REFEREED JOURNALS

- C1) G. Donsì, **M. Poletto**, E. Reverchon, V. Tufano
Impianti di estrazione con fluidi supercritici: dalla scala di laboratorio alla scala industriale
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 Presented at 8th European Conference in Chemical Engineering, Berlin (D), September 26-29, 2011. Session Particle Technology 29/9/2011 h11:00.
- E78) **M. Poletto**
Cohesive interparticle forces and bulk flow properties in fluidisation and powder flow: is a coordinated view possible and convenient?
 Invited presentation at Powder Flow 2011 organized by the Formulation Science and Technology Group of the Royal Society of Chemistry (UK), London (UK), December 6, 2011.
http://www.formulation.org.uk/index.php?option=com_content&view=article&id=206&Itemid=175
- E79) **M. Poletto** and D. Barletta
The activities of the EFCE Working Party Mechanics of Particulate Solids and some contributions from the University of Salerno
 Invited keynote presentation at ANUQE-ICCE Conference, Sevilla (E), 24-27 June 2012. SHA-053.
- E80) Y. Joshi, G. Ferrari, **M. Poletto**
Ethanol production from cheese whey using natural immobilization of yeast K.marxianus on olive pits
 Poster presentation at ANUQE-ICCE Conference, Sevilla (E), 24-27 June 2012. T8-053.

- E81) Diego Barletta, Massimo Poletto
Valutazione della procedura di dimensionamento di un silo per biomasse lignocellulosiche granulari.
 (ISSN:) Nino Grizzuti, Massimiliano Barolo, Francesco Vegliò Convegno GRICU 2012 pp.649-652, 4 In: Convegno GRICU 2012 - Ingegneria Chimica: dalla nanoscala alla macroscale. 16-19 settembre 2012, Montesilvano (PE).
- E82) D. Barletta, R.J. Berry, S.H. Larsson, T.A. Lestander, M. Poletto, Á. Ramírez-Gómez
Can bulk solids best practice techniques for flow characterization and storage/handling equipment design be used reliably for biomass materials of different classes?
 Presented at 7th International Conference for conveying and handling of particulate solids, CHoPS 2012, 10-13.09.2012, Friedrichshafen (Germany)
- E83) I. Tomasetta, D. Barletta, M. Poletto
A theoretical framework for the interpretation of the effect of temperature on interparticle interactions
 Presented at 7th International Conference for conveying and handling of particulate solids, CHoPS 2012, 10-13.09.2012, Friedrichshafen (Germany)
- E84) D. Barletta, L. Montenegro, M. Poletto, J. Sanchez
The effect of biomass concentration on the flow properties of coal-petcokebiomass mixtures for co-firing
 Proceedings of PARTEC - International Congress on Particle Technology, Nuremberg, Germany 23. - 25. April 2013, paper 299.
- E85) D. Barletta, R.J. Berry, S.H. Larsson, T.A. Lestander, M. Poletto, Á. Ramírez-Gómez
An assessment on flow characterization and storage/handling issues for biomass particulate solids
 Proceedings of PARTEC - International Congress on Particle Technology, Nuremberg, Germany 23. - 25. April 2013, paper 312.
- E86) I. Tomasetta, D. Barletta, M. Poletto
The Effect of the Elastic and Plastic Behaviour at the Particle Contact Points on the Flow Properties of Powders
 Presented at Particle-Based Methods III-Fundamentals and Applications 18-20 September 2013, Stuttgart, Germany. Paper a267.
- E87) M. Poletto
The role of aggregation in fluidization and flow of cohesive powders
 Invited Keynote lecture at 7th World Congress on Particle Technology (WCPT7), 18-21 may 2014, Beijing (China). Abstract E249.
- E88) D. Sofia, D. Barletta, M. Poletto
Laser sintering of titanium dioxide and hydroxyapatite bimodal distributed powders
 Presented at 7th World Congress on Particle Technology (WCPT7), 18-21 may 2014, Beijing (China). Abstract E359.
- E89) D. Barletta, M. Poletto
A model on the stability of a pipe in an aerated silo
 Presented at 7th World Congress on Particle Technology (WCPT7), 18-21 may 2014, Beijing (China). Abstract E358.4
- E90) A. Giuliano, Ra. Cerulli, M. Poletto, G. Raiconi, D. Barletta
Optimization of a multiproduct lignocellulosic biorefinery using a MILP approximation
 in J.J. Klemeš, P.S. Varbanov and P.Y. Liew (Ed) Proceedings of the 24th European Symposium on Computer Aided Process Engineering – ESCAPE 24, June 15-18, 2014, Budapest, Hungary. Page 1423-1428. ISSN: 15707946, ISBN:978-0-444-63443-6; 978-0-444-63456-6 DOI: 10.1016/B978-0-444-63455-9.50072-6
- E91) D. Barletta, M. Poletto
Discharge of biomass solids from a wedge-shaped hopper
 Presented at II International Symposium on Handling and Hazards of Materials in Industry (Hanhaz2014) in II International Congress of Chemical Engineering of ANQUE, Madrid, Spain, 1-4 July, 2014.
- E92) D. Barletta, M. Poletto
A design procedure to prevent piping in the aerated discharge of cohesive powders from a silo
 Presented at II International Symposium on Handling and Hazards of Materials in Industry (Hanhaz2014) in II International Congress of Chemical Engineering of ANQUE, Madrid, Spain, 1-4 July, 2014.

- E93) D. Sofia, D. Barletta, M. Poletto
Laser sintering of titanium dioxide and hydroxyapatite bimodal distributed powders
 Presented at 21st International Congress of Chemical and Process Engineering CHISA 2014, 23-27 August 2014 Prague, Czech Republic. paper D4.2, S.N. 1343.
- E94) D. Barletta, M. Poletto
A study on the measurement error source of the vertical to horizontal stress ratio on coarse model materials
 Presented at 21st International Congress of Chemical and Process Engineering CHISA 2014, 23-27 August 2014 Prague, Czech Republic. paper P1.65, S.N. 1033.
- E95) D. Barletta, M. Poletto
A model on the stability of a pipe in an aerated silo
 Proceedings of 13th International Conference on Multiphase Flow in Industrial Plants, Sestri Levante (Genova), Italy, September 17-18-19. Paper 86.
- E96) H. Salehi Kahrizangi, D. Barletta, M. Poletto
Mechanical characterization of aggregates of cohesive powders produced by mechanical vibration
 Proc of The 8th International Conference for Conveying and Handling of Particulate Solids CHoPS, Tel-Aviv, Israel, 4-7 May 2015, paper 146.
- E97) D. Sofia, D. Barletta, M. Poletto
Ceramic materials in selective laser sintering process
 Proc of The 8th International Conference for Conveying and Handling of Particulate Solids CHoPS, Tel-Aviv, Israel, 4-7 May 2015, paper 143.
- E98) H. Lu, X. Guo, X. Gong, D. Barletta, M. Poletto
Solid discharge rate prediction of pulverized coal from an aerated hopper
 Proc of The 8th International Conference for Conveying and Handling of Particulate Solids CHoPS, Tel-Aviv, Israel, 4-7 May 2015, paper 057.
- E99) R. Chirone, D. Barletta, P. Lettieri, M. Poletto
Measurement of high temperature powder flow properties to estimate interparticle forces in high temperature fluidization
 Proc of The 8th International Conference for Conveying and Handling of Particulate Solids CHoPS, Tel-Aviv, Israel, 4-7 May 2015, paper 127.
- E100) G. De Feo; M. Poletto; N.G. Giordano
Environmental, economical and sociological analysis for the recovery of materials from msw in the amalfi coast.
 Proc of Sardinia 2015, 15th International Waste Management and Landfill Symposium. 5-9 ottobre 2015. ISBN: 9788862650212
- E101) A. Giuliano, A. Califano, M. Poletto, D. Barletta
An iterative hybrid algorithm for process optimization of a multi-product lignocellulosic biorefinery
 Proc of 24th European Biomass Conference and Exhibition (EUBCE), 6-9 June 2016. Amsterdam (NL), pages 1211-1216. ISBN:978-88-89407-165 DOI: 10.5071/24thEUBCE2016-3CV.2.33
<http://www.etaflorence.it/proceedings/>
- E102) H. Salehi Kahrizangi, D. Barletta, M. Poletto
Dust Generation in Vibrated Cohesive Powders
 Presentato a Partec2016 International Congress on Particle Technology, Nuremberg (DE), 19-21 April, 2106 paper 2.26 ISSN 0083-5560 ISBN 978-3-18-092283-6
- E103) D. Macri, D. Sofia, P. Lettieri, M. Poletto and D. Barletta
Titania Powders in the Selective Laser Sintering Processes
 Presented at 2016 AIChE Annual Meeting, 13-18 November, 2016, San Francisco, CA.
 Presentation 581a, Paper 458640
<https://aiche.confex.com/aiche/2016/webprogram/Paper458640.html>
- E104) H. Salehi Kahrizangi, D. Sofia, H. Lu, D. Schütz, D. Barletta and M. Poletto
Experimental and Simulation of Torque Values of Large and Small Particle Size Powders in Anton Paar Powder Cell Using a Commercial DEM Simulation Software
 Presented at 2016 AIChE Annual Meeting, 13-18 November, 2016, San Francisco, CA.
 Presentation 144g, Paper 470790
<https://aiche.confex.com/aiche/2016/webprogram/Paper470790.html>
- E105) R. Chirone, P. Lettieri, D. Barletta, M. Poletto
The relevance of surface impurities on the effect of temperature on powder flow behavior
 Presented at 2016 AIChE Annual Meeting, 13-18 November, 2016, San Francisco, CA.
 Presentation 206f, Paper 470537
<https://aiche.confex.com/aiche/2016/webprogram/Paper470537.html>

- E106) H. Salehi Kahrizsangi, D. Schütz, D. Barletta and M. Poletto
Powder Flow Characterization at Low Consolidation: Modeling and Experimental Values of Torque Estimation
Presented at 2016 AIChE Annual Meeting, 13-18 November, 2016, San Francisco, CA.
Presentation 408g, Paper 470285
<https://aiche.confex.com/aiche/2016/webprogram/Paper470285.html>
- E107) H. Salehi, D. Schütz, R. Romirer, D. Barletta, M. Poletto
Powder flow characterization at low consolidation: modeling and experimental values of torque estimation
Abstract in the Conference Proceedings of Second International Conference on Powder, Granule and Bulk Solids: Innovations and Applications (PGBSIA 2016), December 1-3, 2016, Jaipur, India. Page 19.
- E108) D. Macrì, M. Poletto, D. Barletta, S. Sutcliffe, P. Lettieri
An experimental and theoretical investigation of TiO₂ powders flow properties changes with temperature
Abstract in the Conference Proceedings of Second International Conference on Powder, Granule and Bulk Solids: Innovations and Applications (PGBSIA 2016), December 1-3, 2016, Jaipur, India. Page 16.
- E109) D. Sofia, D. Barletta, M. Poletto
Flowability of ceramic powders in the sintering process
Abstract in the Conference Proceedings of Second International Conference on Powder, Granule and Bulk Solids: Innovations and Applications (PGBSIA 2016), December 1-3, 2016, Jaipur, India. Page 15.
- E110) H. Salehi, D. Sofia, H. Lu, D. Schutz, D. Barletta, M. Poletto
Experimental and simulation of torque values of large and small particle size powders in Anton Paar Powder Cell using a commercial DEM simulation Software
Abstract in the Conference Proceedings of Second International Conference on Powder, Granule and Bulk Solids: Innovations and Applications (PGBSIA 2016), December 1-3, 2016, Jaipur, India. Page 18.
- E111) D. Macrì, D. Sofia, D. Barletta, M. Poletto, P. Lettieri
Selective laser sintering of titania powder: experiments and modelling
Presentato a International Symposium of Reliable Flow of Particulate Solids; "RELPOWFLO V", 13th-15th June 2017, Skien, Norway. Paper 3A2.
- E112) H. Salehi, M. Poletto, D. Barletta, S.H. Larsson
Silo discharge analysis on a biomass material with different particle size
Presentato a International Symposium of Reliable Flow of Particulate Solids; "RELPOWFLO V", 13th-15th June 2017, Skien, Norway. Paper 4B1.
- E113) Diego Barletta, Davide Garofalo, Toma Chitu, Prasanna Kulkarni, Simona Taddei, Massimo Poletto
Aerated silo discharge of fine pharmaceutical powders
Presentato a International Symposium of Reliable Flow of Particulate Solids; "RELPOWFLO V", 13th-15th June 2017, Skien, Norway. Paper 4B3.
- E114) D. Barletta, M. Poletto
A new split cell for the measurement of the horizontal to vertical stress ratio
Presentato a International Symposium of Reliable Flow of Particulate Solids; "RELPOWFLO V", 13th-15th June 2017, Skien, Norway. Paper 5C1.
- E115) R. Chirone, D. Barletta, P. Lettieri, M. Poletto
Temperature effect on flow properties of ceramic powder: presence of capillary forces
Presentato a International Symposium of Reliable Flow of Particulate Solids; "RELPOWFLO V", 13th-15th June 2017, Skien, Norway. Paper 6B1.
- E116) D. Macrì, D. Barletta, P. Lettieri, M. Poletto
Analysis of titania powders flow properties at ambient and high temperature
Presentato a International Symposium of Reliable Flow of Particulate Solids; "RELPOWFLO V", 13th-15th June 2017, Skien, Norway. Paper 7B3.
- E117) H. Salehi, D. Sofia, D. Schuetz, D. Barletta, M. Poletto
Experiments and simulation of torque values in Anton Paar powder cell by using different impeller shapes and particle size
Presentato a International Symposium of Reliable Flow of Particulate Solids; "RELPOWFLO V", 13th-15th June 2017, Skien, Norway. Paper 7C3.

- E118) D. Sofia, D. Barletta, M. Poletto
Validation of an experimental procedure to quantify the effects of powder flowability on selective laser sintering process
Presentato a International Symposium of Reliable Flow of Particulate Solids; "RELPOWFLO V", 13th-15th June 2017, Skien, Norway. Paper 8C1.
- E119) D. Sofia, M. Poletto, D. Barletta
Silicon powders in the sls processes
Oral Communication 61026 at Parmat 2017 Joint Event of 10th World Congress of Chemical Engineering, 1st-5th October 2017, Barcelona, Spain.
- E120) D. Barletta, D. Garofalo, T. Chitu, P. Kulkarni, S. Taddei, M. Poletto
Assessment of predicting methods for the air assisted discharge of pharmaceutical powders
Oral Communication 63931 at Parmat 2017 Joint Event of 10th World Congress of Chemical Engineering, 1st-5th October 2017, Barcelona, Spain.
- E121) D. Macrì, M. Poletto, D. Barletta, P. Lettieri
Analysis of the defluidization behaviour of industrial reactive powders at high temperature
Short Oral Communication 37131 at Parmat 2017 Joint Event of 10th World Congress of Chemical Engineering, 1st-5th October 2017, Barcelona, Spain.
- E122) H. Salehi, M. Poletto, D. Barletta, S.H. Larsson
Study of silo discharge using different biomass materials
Short Oral Communication 57846 at Parmat 2017 Joint Event of 10th World Congress of Chemical Engineering, 1st-5th October 2017, Barcelona, Spain.
- E123) H. Salehi, D. Schütz, D. Barletta, M. Poletto
Powder flow characterization at low consolidation: modeling and experimental values of preshear and shear sequences
Short Oral Communication 61461 at Parmat 2017 Joint Event of 10th World Congress of Chemical Engineering, 1st-5th October 2017, Barcelona, Spain.
- E124) R. Chirone, M. Poletto, D. Barletta, F. Raganati, P. Ammendola, P. Lettieri
A comparison between interparticle forces estimated with direct powder shear testing and with sound assisted fluidization
Short Oral Communication 79446 at Parmat 2017 Joint Event of 10th World Congress of Chemical Engineering, 1st-5th October 2017, Barcelona, Spain.
- E125) H. Salehi, D. Sofia, D. Schütz, D. Barletta, M. Poletto
Use of powder rheometry as a DEM calibration tool
Poster presentation 57406 at Parmat 2017 Joint Event of 10th World Congress of Chemical Engineering, 1st-5th October 2017, Barcelona, Spain.
- E126) Hamid Salehi Kahrizangi, Daniele Sofia, Diego Barletta, Massimo Poletto and Sylvia Larsson
Experimental and Simulation Investigation on Arching Behaviour of Two Biomass Materials from a Wedge Shape Hopper
Proc of 8th World Congress on Particle Technology, April 22-26, 2018, Orlando, FL, Oral Communication 101a, pub:AIChE, New York ISBN: 978-0-8169-1105-9.
- E127) Marco Lupo, Denis Schütz, Elke Riedl, Diego Barletta and Massimo Poletto
Estimates of Powder Flow Properties at Low Consolidation from the Torque Measured in a Powder Rheometer Equipped with a Cylindrical Impeller
Proc of 8th World Congress on Particle Technology, April 22-26, 2018, Orlando, FL, Oral Communication 58a, pub:AIChE, New York ISBN: 978-0-8169-1105-9.
- E128) Ilaria Martana, Ivan Saracino, Serena De Maria, Diego Barletta and Massimo Poletto
Hydrocyclone Experiments and Design Equations for Produced Water Desanding Operation
Proc of 8th World Congress on Particle Technology, April 22-26, 2018, Orlando, FL, Invited Talk 5d, pub:AIChE, New York ISBN: 978-0-8169-1105-9.
- E129) Daniele Sofia, Diego Barletta and Massimo Poletto
Ceramic Powders in the Laser Sintering Processes
Proc of 8th World Congress on Particle Technology, April 22-26, 2018, Orlando, FL, Oral Communication 2c, pub:AIChE, New York ISBN: 978-0-8169-1105-9.
- E130) Diego Barletta and Massimo Poletto
Particle Technology Course at the University of Salerno
Proc of 8th World Congress on Particle Technology, April 22-26, 2018, Orlando, FL, Poster presentation 54bd, pub:AIChE, New York ISBN: 978-0-8169-1105-9.
- E131) Hamid Salehi Kahrizangi, Daniele Sofia, Diego Barletta, Massimo Poletto and Sylvia Larsson
Experimental and Simulation Investigation on Arching Behaviour of Two Biomass Materials from a Wedge Shape Hopper
Proc of 9th International Conference on Conveying and Handling of Particulate Solids, Greenwich Maritime College, London, 10th-14th September 2018, abstract 30.

- E132) D. Sofia, D. Barletta, M. Poletto
Simulation of Selective Laser Sintering: Formation of powder bed
 Proc of 9th International Conference on Conveying and Handling of Particulate Solids, Greenwich Maritime College, London, 10th-14th September 2018, abstract 78.
- E133) D. Sofia, D. Barletta, M. Poletto
Flowability of powders in the laser sintering process
 Proc of 9th International Conference on Conveying and Handling of Particulate Solids, Greenwich Maritime College, London, 10th-14th September 2018, abstract 79.
- E134) David Ruggi, Diego Barletta, Claire Barrès, Massimo Poletto
Flow properties of polymeric powders for selective laser sintering
 Proc of 9th International Conference on Conveying and Handling of Particulate Solids, Greenwich Maritime College, London, 10th-14th September 2018, Keynote paper 105.
- E135) Marco Lupo, Denis Schütz, Elke Riedl, Diego Barletta, Massimo Poletto
Estimates of powder flow properties at low consolidation from the torque measured in a powder rheometer equipped with a cylindrical impeller
 Proc of 9th International Conference on Conveying and Handling of Particulate Solids, Greenwich Maritime College, London, 10th-14th September 2018, paper 110.
- E136) D. Macrì, D. Barletta, P. Lettieri, M. Poletto
Analysis of Titania powders flow properties at ambient and high temperature: an experimental and modelling approach
 Proc of 9th International Conference on Conveying and Handling of Particulate Solids, Greenwich Maritime College, London, 10th-14th September 2018, Keynote paper 60.
- E140) Massimo Poletto
Concepts of particle mechanics in SLS of non-metallic materials
 Invited presentation at Chemical Engineering & 3D Printing 1st European Forum on New Technologies – EFCE, Paris 7 September 2018
- E141) Sina Zinatlou Ajabshir, Diego Barletta, Daniele Sofia, Massimo Poletto
The effect of temperature on the spreading of powder layers in selective laser sintering
 Presented a CHoPS 2022 10th International Conference on Conveying and Handling of Particulate Solids Salerno (Italy), 5-9 July 2022
- E142) Balaji Soundararajan, Daniele Sofia, Diego Barletta, Massimo Poletto
In-situ monitoring and modeling of single-layer selective laser sintering of polyamide powders
 Presented a CHoPS 2022 10th International Conference on Conveying and Handling of Particulate Solids Salerno (Italy), 5-9 July 2022
- E143) Pablo García-Triñanes, Diego Barletta, Massimo Poletto
The effect of temperature on the flow properties of SiC powders
 Presented a CHoPS 2022 10th International Conference on Conveying and Handling of Particulate Solids Salerno (Italy), 5-9 July 2022
- E144) Marco Lupo, Daniele Sofia, Diego Barletta, Massimo Poletto
Quantitative analysis of the powder layer quality in the Selective Laser Sintering process: Experiments and DEM modelling
 Presented a CHoPS 2022 10th International Conference on Conveying and Handling of Particulate Solids Salerno (Italy), 5-9 July 2022
- E145) Daniele Sofia, Diego Barletta, Massimo Poletto
A comparative study on polymeric materials for the selective laser sintering process
 Presented a CHoPS 2022 10th International Conference on Conveying and Handling of Particulate Solids Salerno (Italy), 5-9 July 2022
- E146) Rahul Sharma, Massimo Poletto, Diego Barletta, Jin Ooi, Stefanos Papanicopoloulos, Marina Sousani
Meso-scale DEM for flowability assessment of weakly consolidated fine powders in industry
 Presented a CHoPS 2022 10th International Conference on Conveying and Handling of Particulate Solids Salerno (Italy), 5-9 July 2022
- E147) Assem Zharbossyn, Diego Barletta, Massimo Poletto, Vanessa Magnanimo, Stefan Luding, Anthony Thornton
DEM (meso-)particle property calibration with powder rheometry and other flow characterization techniques
 Presented a CHoPS 2022 10th International Conference on Conveying and Handling of Particulate Solids Salerno (Italy), 5-9 July 2022

INTERNATIONAL CONFERENCES WITH REFEREES

- F1) M. Miccio, V. Nastri, **M. Poletto**
The effect of system pressure on char combustion: model predictions
Clean energy for the world, Proc. of the 1991 International Conference on Fluidized Bed Combustion, Montreal, Quebec, Apr. 21-24, 1991, pag. 1233-1244.
- F2) G. Donsì, G. Ferrari, **M. Poletto**
Gas pressure profiles inside a fluidized hopper discharging fine powders.
Proc. of the third World Conference on Particle Technology, Brighton, UK, Jul. 6-9, 1998, paper 322. ISBN: 0-85295-401-8. Rugby: IChemE (United Kingdom).
- F3) G. Donsì, G. Ferrari, **M. Poletto**, P. Russo.
Discharge of a cohesive corn starch powder from an aerated hopper
Proc. of Fluidization X, M. Kwauk, J. Li and W.-C. Yang eds., Beijing, China, May 20-25, 2001, pag 109-116. ISBN: 6-9329204-60-6. New YORK: United Engineering Foundation (United States).
- F4) D. Barletta, G. Donsì, G. Ferrari and **M. Poletto**
Visualisation of the particle velocity field by a high-speed video technique in a two-dimensional aerated bin
Proc. of the Fourth World Conference on Particle Technology, Sydney, Jul 21-25, 2002, paper 265. ISBN: 085-825-7947. Sydney: University of Sydney (Australia).
- F5) D. Barletta, A. D'Arco, G. Donsì, G. Ferrari and **M. Poletto**
The use of aeration to obtain uniform flows of fine particles during the discharge from a hopper loaded with segregated solids
Present and future for fluidization engineering. U. Arena, R. Chirone, M. Miccio and P. Salatino Eds. - Proc. of Fluidization XI, Ischia (NA), Italy, May 9-14, 2004, pag 707-714. ISBN: 0-918902-52-5. Brooklyn: Engineering Conference International (United States)
- F6) G. Donsì, G. Ferrari, **M. Poletto**, P. Russo and C. Scuoppo
The combined effect of vibration and fluidization on a fine aeratable FCC powder
Proc. of World Congress of Chemical Engineering, Glasgow (UK) July 10-14, 2005, pap. C7-005.
- F7) D. Barletta, G. Donsì, G. Ferrari and **M. Poletto**
Aerated flow of fine cohesive powders in a Peschl shear cell
Proc. of Powders & Grains, July 18-22, 2005, Stuttgart (Germany), 1033-1037.
- F8) D. Barletta, G. Donsì, G. Ferrari, **M. Poletto** and P. Russo
The effect of vibrations on fluidized cohesive powders
New Horizons in Fluidization Engineering, Franco Berruti, Xiaotao (Tony) Bi and Todd Pugsley Eds - Proc. of Fluidization XII, Vancouver, Canada, May 13-18, 2007, pp. 377-384 - Paper 45,. ISBN: 978-0-918902-57-3. Brooklyn, NY 11201: Engineering Conferences International (United States).
- F9) I. Tomasetta, D. Barletta, M. Poletto
A theoretical framework for the interpretation of the effect of temperature on interparticle interactions
Proc. of 21st International Conference on Fluidized bed Combustion, Naples, Italy June 3-6, 2012, pp 673-680, paper TA7-16. ISBN: 978-88-89677-83-4, Enzo Albano Editore, Napoli.
- F10) D. Sofia, Y.A. Joshi, M. Poletto
Kinetics of bioethanol production from lactose converted by Kluyveromyces Marxianus
Chem. Eng. Transactions, vol.32, Sauro Pierucci Ed., Proc. of 11th Int. Conf. on Chemical and Process Engineering, ICheaP-11, Milan, Italy, June 2-5, 2013. pag 1525-1530. ISBN 978-88-95608-23-5; ISSN 1974-9791. Milano: AIDIC (Italy). doi: 10.3303/CET1332190.
- F11) D. Barletta, A. Diaz, L. Esposito, L. Montenegro, J.M. Sanchez, M. Poletto
Characterisation of flow properties of coal-petcoke-biomass mixtures for co-firing
Chem. Eng. Transactions, vol.32, Sauro Pierucci Ed., Proc. of 11th Int. Conf. on Chemical and Process Engineering, ICheaP-11, Milan, Italy, June 2-5, 2013. pag 1135-1140. ISBN 978-88-95608-23-5; ISSN 1974-9791. Milano: AIDIC (Italy). doi: 10.3303/CET1332255.
- F12) D. Barletta, M. Poletto
An assessment on silo design procedures for granular woody biomass
Chem. Eng. Transactions, vol.32, Sauro Pierucci Ed., Proc. of 11th Int. Conf. on Chemical and Process Engineering, ICheaP-11, Milan, Italy, June 2-5, 2013. pag 2209-2214. ISBN 978-88-95608-23-5; ISSN 1974-9791. Milano: AIDIC (Italy). doi: 10.3303/CET1332369.
- F13) D. Sofia, M. Granese, D. Barletta, M. Poletto
Laser sintering of unimodal distributed glass powders of different size
*Procedia Engineering, Volume 102, 2015, Pages 749-758, ISSN 1877-7058, <http://dx.doi.org/10.1016/j.proeng.2015.01.180>.
(<http://www.sciencedirect.com/science/article/pii/S1877705815001812>)*

- F14) H. Salehi Kahrizsangji, D. Sofia, D. Barletta, M. Poletto
Dust Generation in Vibrated Cohesive Powders
Chem. Eng. Transactions, vol.43, Sauro Pierucci Ed., Proc. of 12th Int. Conf. on Chemical and Process Engineering, ICheAP-12, Milan, Italy, May 19-22, 2015. pag 769-774. ISBN 978-88-95608-34-1; ISSN 2283-9216. Milano: AIDIC (Italy). doi: 10.3303/CET1543129.
- F15) D. Sofia, A. Giuliano, M. Poletto, D. Barletta
Techno-economic analysis of power and hydrogen co-production by an IGCC plant with CO2 capture based on membrane technology
 Proc of The 12th International Symposium on Process Systems Engineering and 25th European Symposium on Computer Aided Process Engineering-Part B. 31 May – 4 June 2015, Copenhagen, Denmark, pages 1373-1378.
- F16) A. Giuliano, M. Poletto, D. Barletta
Process Design of a Multi-Product Lignocellulosic Biorefinery
 Proc of The 12th International Symposium on Process Systems Engineering and 25th European Symposium on Computer Aided Process Engineering-Part B. 31 May – 4 June 2015, Copenhagen, Denmark, pages 1313-1318.
- F17) Daniele Sofia, Aristide Giuliano, Filomena Gioiella, Diego Barletta, Massimo Poletto
Modeling of an air quality monitoring network with high space-time resolution
 Proc of The 28th European Symposium on Computer Aided Process Engineering. 10 - 13 June 2018, Graz, Austria, pages 193-198. <http://dx.doi.org/10.1016/B978-0-444-64235-6.50035-8>

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