ALL. B

Decreto Rettore Università di Roma "La Sapienza" n 3227/2021… del 02/12/2021….

Alessandro Tassone
Curriculum Vitae

Rome, 25th January 2022

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,…)
PhD	02/2019	Sapienza University of Rome	PhD in Energy and Environment, grade excellent
Internship	05/2016 – 07/2016	NRNU MEPhI	Internship program for EU-RU collaboration on Monte Carlo Neutronics and Thermal-hydraulics coupling applied to Generation IV reactors
University graduation	10/2015	Sapienza University of Rome	MEng degree in Energy and Nuclear Engineering, grade 110/110
University graduation	12/2012	Sapienza University of Rome	BEng degree in Energy Engineering, grade 99/110

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
01/12/2019	Current	Sapienza University of Rome	RTDa
28/09/2020	09/10/2020	Karlsruhe Institute of Technology	Visiting Researcher: Experimental campaign for magneto-convection with internal obstacles. Set-up and calibration of electric potential sensors.
05/11/2019	05/02/2020	Karlsruhe Institute of Technology	Visiting Researcher: Experimental campaign for magneto-convection with internal obstacles. Preliminary hydrodynamic characterization of test section
01/06/2019	30/11/2019	Sapienza University of Rome	Assegno di Ricerca
01/06/2018	31/05/2019	Sapienza University of Rome	Assegno di Ricerca
15/05/2016	17/07/2016	NRNU MEPhI	Intern on program for EU-RU collaboration on Monte Carlo Neutronics and Thermal-hydraulics coupling applied to Generation IV reactors

Part IV – Teaching experience

Part IVa – Lecturer in University Courses

Year.	Institution	Course	ETCS	Role	Degree

2016/2017	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Fusion Reactor Technology (Prof. G. Caruso)	0.5 / 3	Assistant Teacher	CdLM30 Ingegneria Energetica
2017/2018	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Fusion Reactor Technology (Prof. G. Caruso)	0.5 / 3	Assistant Teacher	CdLM30 Ingegneria Energetica
2017/2018	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Simulazione Numerica dei Sistemi Nucleari (Prof. G. Caruso)	1.5 / 3	Assistant Teacher	CdLM30 Ingegneria Energetica
2018/2019	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Fusion Reactor Technology (Prof. G. Caruso)	0.5 / 3	Assistant Teacher	CdLM30 Ingegneria Energetica
2018/2019	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Simulazione Numerica dei Sistemi Nucleari (Prof. F. Giannetti)	1.5 / 3	Assistant Teacher	CdLM30 Ingegneria Energetica
2019/2020	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Simulazione Numerica dei Sistemi Nucleari (Prof. F. Giannetti)	1.5 / 3	Assistant Teacher	CdLM30 Ingegneria Energetica
2020/2021	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Technology and Physics of Fusion Energy (Prof R. Gatto)	3 / 6	Adjunct Teacher	CdLM30 Ingegneria Energetica – Energy Engineering
2021/2022	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Technology and Physics of Fusion Energy (Prof R. Gatto)	3 / 6	Adjunct Teacher	CdLM30 Ingegneria Energetica – Energy Engineering
2021/2022	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Engineering Thermofluids	6	Main Teacher	CdLM30 Ingegneria Energetica – Energy Engineering
2021/2022	Sapienza University of Rome – Facoltà Ingegneria Civile e Industriale	Liquid Metal Magnetohydrodynamics	3	Main Teacher	CdLM30 Ingegneria Energetica – Energy Engineering

Part IVb – Institutional roles

- Topic editor (22/01/2021 – 20/08/2021) e membro del Topical Advisory Panel (20/08/2021 – presente) per la rivista internazionale “Energies”
- Membro del Collegio dei docenti del Consiglio d’Area di Ingegneria Energetica della Facoltà di Ingegneria Civile e Industriale (dal 2020)
- Membro del Collegio dei docenti Dottorato "ENERGIA E AMBIENTE" - DOT13268NH - Università di Roma "La Sapienza" dall’A.A. 2021/2022 – XXXVII ciclo
- Membro della commissione di laurea per il corso di Laurea Magistrale in Ingegneria Energetica – Energy Engineering in data:
  - 17/07/2020
  - 19/10/2020
  - 21/01/2021
  - 22/03/2021
  - 17/05/2021
  - 18/10/2021
  - 24/01/2022

Part IVc – Supervision or co-supervision of PhD candidates

Year.	Institution	Course	Candidate	Role	Note
2021/22	Sapienza University of Rome	Energia e Ambiente – XXXVII Ciclo	Filippo Gagliardi	Supervisor	
2020/2021	Sapienza University of Rome	Energia e Ambiente – XXXVI Ciclo	Lorenzo Melchiorri	Co-Supervisor	Supervisor Prof. G. Caruso
2018/2019	Sapienza University of Rome	Energia e Ambiente – XXXIV ciclo	Simone Siriano	Co-Supervisor	Supervisor Prof. G. Caruso, to be defended in February

Part IVd – Supervision or co-supervision of Master thesis

Year.	Institution	Course	Candidate	Role	Note
2021/22	Sapienza University of Rome	CdLM30 Ingegneria Energetica – Energy Engineering	Gianfranco Faiola	Co-Supervisor	Supervisor Prof. G. Caruso
2021/22	Sapienza University of Rome	CdLM30 Ingegneria Energetica – Energy Engineering	Edoardo Bencivenga	Co-Supervisor	Supervisor Prof. G. Caruso
2020/2021	Sapienza University of Rome	CdLM30 Ingegneria Energetica – Energy Engineering	Shukai Chen	Co-Supervisor	Supervisor Prof. G. Caruso
2020/2021	Sapienza University of Rome	CdLM30 Ingegneria Energetica – Energy Engineering	Tommaso Carnicella	Co-Supervisor	Supervisor Prof. G. Caruso
2020/2021	Sapienza University of Rome	CdLM30 Ingegneria Energetica – Energy Engineering	Orlando Palone	Co-Supervisor	Supervisor Prof. G. Caruso
2019/2020	Sapienza University of Rome	CdLM30 Ingegneria Energetica – Energy Engineering	Andrea Serafini	Co-Supervisor	Supervisor Prof. G. Caruso
2018/2019	Sapienza University of Rome (in collaboration with KU	CdLM30 Ingegneria Energetica – Energy Engineering	Jasper Meeusen	Co-Supervisor	Supervisor Prof. G. Caruso

	Leuven)				
2018/2019	Sapienza University of Rome	CdLM30 Ingegneria Energetica – Energy Engineering	Lorenzo Melchiorri	Co-Supervisor	Supervisor Prof. G. Caruso
2018/2019	Sapienza University of Rome	CdLM30 Ingegneria Energetica – Energy Engineering	Simone Siriano	Co-Supervisor	Supervisor Prof. G. Caruso
2018/2019	Sapienza University of Rome	CdLM30 Ingegneria Energetica – Energy Engineering	Letizia Chiasso	Co-Supervisor	Supervisor Prof. G. Caruso

Part IVe Tutor in Sapienza University of Rome grants

Year	Title	Program	Grant value
2020	3D MHD analysis of prototypical manifold for liquid metal blankets (PI Simone Siriano)	Progetti per Avvio alla Ricerca – Tipo 1, Sapienza University of Rome	1 k€
2021	Development of a magnetohydrodynamic heat transfer model for RELAP5/MOD3.3 (PI Lorenzo Melchiorri)	Progetti per Avvio alla Ricerca – Tipo 1, Sapienza University of Rome	1 k€
2021	Development of an OpenFOAM solver for MHD multiphase flows in fusion applications (PI Simone Siriano)	Progetti per Avvio alla Ricerca – Tipo 2, Sapienza University of Rome	2.7 k€
TOT			4.7 k€

Part IVf – Supervision for Assegni di Ricerca

Duration.	Institution	Call	Topic	Beneficiary
12/2021 – 12/2022	Sapienza University of Rome	DIAEE Type B – Cat. I 26/2021	Extreme magnetoconvection in shallow horizontally heated cavities: direct numerical simulation and preliminary test section design	Simone Siriano

Part V - Society memberships, Awards and Honors

Year	Title
2016	"Sapienza Excellent Laureate" Award, granted by Sapienza University of Rome for the high quality of the MEng Thesis
2018	Engineering Eurofusion Grant 2018 on MHD Analyses and Code Validation, granted by EUROfusion for the performance of a research programme from 01/06/2018 to 31/05/2021
2021	Abilitazione Scientifica Nazionale Settore Concorsuale 09/C2 – II Fascia (VI quad 2018) – valid from 01/06/2021 to 31/05/2031

Part VI - Funding Information

Sapienza University of Rome grants as Principal Investigator

Year	Title	Program	Grant value
2017	Investigation on mixed convective magnetohydrodynamic flows for fusion reactor blanket design	Progetti per Avvio alla Ricerca – Tipo 1, Sapienza University of Rome	1 k€
2018	MHD Analyses and Code Validation	EUROfusion Engineering Grants (EEG)	250 k€
2019	Liquid metal MHD flows in water-cooled test blanket module for ITER	Progetti per Avvio alla Ricerca – Tipo 2, Sapienza University of Rome	2 k€
2020	Extreme magnetoconvection in shallow horizontally heated cavities: direct numerical simulation and preliminary test section design	Progetti di Ricerca (Piccoli, Medi) - Progetti Medi, Sapienza University of Rome	36.787 k€
TOT			289.787 k€

Sapienza University of Rome grants as Investigator

Year	Title	Program	Grant value
2016	The tilted toroidal solenoid for nuclear fusion application and high magnetic field generation	Progetti di Ricerca (Piccoli, Medi) - Progetti Piccoli, Sapienza University of Rome	3 k€
2019	Development and validation of a thermal-hydraulic transient model capable to analyze the TBM for ITER and the Breeding Blanket for the EU-DEMO reactor	Progetti di Ricerca (Piccoli, Medi) - Progetti Medi, Sapienza University of Rome	13.2 k€
2020	Shock wave propagation in liquid metal with an applied static magnetic field	Progetti di Ricerca (Piccoli, Medi) - Progetti Piccoli, Sapienza University of Rome	4 k€
2021	Experimental evaluation of pool boiling heat transfer coefficient at high thermal flux for a passive decay heat removal system to be used in fission and fusion power plant	Progetti di Ricerca (Piccoli, Medi) - Progetti Medi, Sapienza University of Rome	15 k€*
2016-2020	EUROfusion (FP8)	EU H2020 EURATOM	400 k€
2021-2022	EUROfusion (FP9)	EU Horizon Europe EURATOM	130 k€
2021-2022	PASCAL	EU Horizon Europe EURATOM	20 k€
TOT			550 k€

***Pending evaluation**

Participation in nationally funded Projects as I

1. ENEA-ASI collaboration for the development of an Italian Space Nuclear Reactor – SNR

Participation in EU-funded Projects as I

2. H2020 EUROfusion: Participation in WPBB and WPPMI. WCLL design team member
3. Horizon Europe EUROfusion: Participation in WPBB. WCLL design team member
4. Horizon Europe PASCAL: Participation in WP2. CFD calculations for deformed fuel bundles
5. FP7 European Nuclear Education Network: ENEN-RU II, 2-month internship at National Research Nuclear University “MEPhI”

Participation in International Projects as I

1. OECD Nuclear Energy Agency: Participation in WGAMA/CFDTG. Code benchmarking

Part VII – Research Activities

Keywords	Brief Description
Computational Magnetohydrodynamics	Study and investigation of the movement of electrically conductive fluids in the presence of applied electromagnetic fields with the aid of numerical tools for direct and approximated numerical simulation. Code development for computational fluid dynamics (CFD) and system thermal hydraulic (STH) codes.
CFD Analyst	Preparation and analysis of computational fluid dynamics simulations to support the engineering design of systems and components. Proficient user of ANSYS CFX, independent user of ANSYS FLUENT and OpenFOAM
Liquid metal thermal-hydraulics	Study of heat transfer phenomena in low-Pr fluids for application in Gen-IV and fusion nuclear reactors
Fusion blanket engineering	Study of MHD phenomena related to the design and optimization of liquid metal breeder blanket concepts (Water-Cooled Lithium Lead, Dual Coolant Lithium Lead)
Free surface and multiphase modelling	Numerical simulations of free surface and multiphase modelling for industrial and nuclear applications. Study of MHD multiphase regimes for application in fusion reactor breeding blankets and plasma-facing components

Part VIII – Summary of Scientific Achievements

Scopus: https://www.scopus.com/authid/detail.uri?authorId=57193541974
Research Gate: https://www.researchgate.net/profile/Alessandro-Tassone/stats
Google Scholar: https://scholar.google.com/citations?user=Atipb-UAAAAJ&hl=it&oi=sra
ResearcherID: https://publons.com/researcher/3906909/alessandro-tassone/
ORCID: https://orcid.org/0000-0003-3356-1720

INDEXED PRODUCTS		
Product Type	*Number*	*Data Base*
Int. Journals	**18**	SCOPUS
Int. Conference Procs.	**6**	SCOPUS
NON-INDEXED PRODUCTS		
Product Type	*Number*	*Data Base*
Int. Journals	**2**	GOOGLE SCHOLAR/IRIS(U-GOV)
Int. Conference	**7**	GOOGLE SCHOLAR/IRIS(U-GOV)
Nat. Conference	**1**	GOOGLE SCHOLAR/IRIS(U-GOV)

Reference database: SCOPUS

Total Products	24
Total Citations	408
Average Citations per Product	17
Hirsch (H) index	10
Normalized H index*	1.67

*****H index divided by the academic seniority.

Reference database: WOS

Total Products	23
Total Citations	369
Average Citations per Product	16.04
Hirsch (H) index	10
Products with Impact Factor	18
Total IF factor	34.9
Average IF Factor	1.94

Reference database: Google Scholar

Total Products	29
Total Citations	510
Average Citations per Product	17.586
Hirsch (H) index	11
i10 index	11

Part IXa - Complete Pubblication List

Indexed Journal papers

1. P. Arena, A. D. Nevo, F. Moro, S. Noce, R. Mozzillo, V. Imbriani, F. Giannetti, F. Edemetti, A. Froio, L. Savoldi, S. Siriano, A. Tassone, F. R. Urgorri, P. A. D. Maio, I. Catanzaro, and G. Bongiovì, "The DEMO Water-Cooled Lead–Lithium Breeding Blanket: Design Status at the End of the Pre-Conceptual Design Phase," *Applied Sciences*, vol. 11, no. 11592, p. 11592, 2021. doi: 10.3390/app112411592

2. L. Melchiorri, V. Narcisi, F. Giannetti, G. Caruso, and A. Tassone, "Development of a RELAP5/MOD3. 3 module for MHD pressure drop analysis in liquid metals loops: Verification and Validation," *Energies*, vol. 14, no. 17, p. 5538, 2021. doi: 10.3390/en14175538

3. S. Siriano, A. Tassone, and G. Caruso, "Numerical Simulation of Thin-Film MHD Flow for Nonuniform Conductivity Walls," *Fusion Science and Technology*, vol. 77, no. 2, pp. 144–158, 2021

4. C. Mistrangelo, L. Bühler, C. Alberghi, S. Bassini, L. Candido, C. Courtessole, A. Tassone, F. R. Urgorri, and O. Zikanov, "MHD R&D Activities for Liquid Metal Blankets," *Energies*, vol. 14, no. 6640, p. 6640, 2021. doi: 10.3390/en14206640

5. A. Tassone and G. Caruso, "Computational MHD analyses in support of the design of the WCLL TBM breeding zone," *Fusion Engineering and Design*, vol. 170, p. 112535, 2021. doi: 10.1016/j.fusengdes.2021.112535

6. S. Smolentsev, T. Rhodes, Y. Yan, A. Tassone, C. Mistrangelo, L. Bühler, and F. Urgorri, "Code-to-Code Comparison for a PbLi Mixed-Convection MHD Flow," *Fusion Science and Technology*, pp. 1–17, 2020. doi: 10.1080/15361055.2020.1751378

7. A. Tassone, S. Siriano, G. Caruso, M. Utili, and A. Del Nevo, "MHD pressure drop estimate for the WCLL in-magnet PbLi loop," *Fusion Engineering and Design*, vol. 160, p. 111830, 2020. doi: 10.1016/j.fusengdes.2020.111830

8. A. Tassone, G. Caruso, and A. Del Nevo, "Influence of PbLi hydraulic path and integration layout on MHD pressure losses," *Fusion Engineering and Design*, vol. 155, p. 111517, 2020. doi: 10.1016/j.fusengdes.2020.111517

9. S. Siriano, A. Tassone, G. Caruso, and A. Del Nevo, "Electromagnetic coupling phenomena in co-axial rectangular channels," *Fusion Engineering and Design*, vol. 160, p. 111854, 2020. doi: 10.1016/j.fusengdes.2020.111854

10. S. Siriano, A. Tassone, G. Caruso, and A. Del Nevo, "MHD forced convection flow in dielectric and electro-conductive rectangular annuli," *Fusion Engineering and Design*, 2020. doi: 10.1016/j.fusengdes.2020.111773

11. F. Edemetti, E. Martelli, A. Tassone, G. Caruso, and A. Del Nevo, "DEMO WCLL breeding zone cooling system design: Analysis and discussion," *Fusion Engineering and Design*, 2019. doi: 10.1016/j.fusengdes.2019.04.063

12. A. Del Nevo, P. Arena, G. Caruso, P. Chiovaro, P. Di Maio, M. Eboli, F. Edemetti, N. Forgione, R. Forte, A. Froio, *et al.*, "Recent progress in developing a feasible and integrated conceptual design of the wcll bb in eurofusion project," *Fusion Engineering and Design*, vol. 146, pp. 1805–1809, 2019. doi: 10.1016/j.fusengdes.2019.03.040

13. A. Tassone, G. Caruso, F. Giannetti, and A. Del Nevo, "MHD mixed convection flow in the WCLL: Heat transfer analysis and cooling system optimization," *Fusion Engineering and Design*, 2019. doi: 10.1016/j.fusengdes.2019.01.087

14. A. Tassone, M. Nobili, and G. Caruso, "Numerical study of the MHD flow around a bounded heating cylinder: Heat transfer and pressure drops," *International Communications in Heat and Mass Transfer*, vol. 91, pp. 165–175, 2018. doi: 10.1016/j.icheatmasstransfer.2017.12.010

15. A. Tassone, A. Del Nevo, P. Arena, G. Bongiovì, G. Caruso, P. A. di Maio, G. di Gironimo, M. Eboli, N. Forgione, R. Forte, *et al.*, "Recent progress in the WCLL breeding blanket design for the DEMO fusion reactor," *IEEE Transactions on Plasma Science*, vol. 46, no. 5, pp. 1446–1457, 2018. doi: 10.1109/TPS.2017.2786046

16. A. Tassone, L. Gramiccia, and G. Caruso, "Three-dimensional mhd flow and heat transfer in a channel with internal obstacle," *International Journal of Heat and Technology*, vol. 36, no. 4, pp. 1367–1377, 2018. doi: 10.18280/ijht.360428

17. A. Del Nevo, E. Martelli, P. Agostini, P. Arena, G. Bongiovì, G. Caruso, G. Di Gironimo, P. Di Maio, M. Eboli, R. Giammusso, F. Giannetti, A. Giovinazzi, G. Mariano, F. Mor, R. Mozzillo, A. Tassone, D. Rozzia, A. Tarallo, M. Tarantino, M. Utili, and R. Villari, "WCLL breeding blanket design and integration for 2015: status and perspectives," *Fusion Engineering and Design*, vol. 124, pp. 682–686, 2017. doi: 10.1016/j.fusengdes.2017.03.020

18. A. Tassone, G. Caruso, A. Del Nevo, and I. Di Piazza, "CFD simulation of the magnetohydrodynamic flow inside the WCLL breeding blanket module," *Fusion Engineering and Design*, vol. 124, pp. 705–709, 2017. doi:10.1016/j.fusengdes.2017.05.098

Indexed Conference Papers

1. F. Edemetti, A. Tassone, V. Narcisi, F. Giannetti, L. Ferroni, and M. Tarantino, "Numerical analysis of temperature stratification in the circe pool facility," in *Journal of Physics: Conference Series*, vol. 1224, p. 012007, IOP Publishing, 2019. doi: 10.1088/1742-6596/1224/1/012007

2. E. Martelli, A. Del Nevo, P. Arena, G. Bongiovì, G. Caruso, P. Di Maio, M. Eboli, G. Mariano, R. Marinari, F. Moro, *et al.*, "Advancements in DEMO WCLL breeding blanket design and integration," in *International Journal of Energy Research*, vol. 42, pp. 27–52, Wiley Online Library, 2018. doi: 10.1002/er.3750

3. A. Tassone, F. Giannetti, and G. Caruso, "Numerical study of laminar magneto-convection in a differentially heated square duct," in *Journal of Physics: Conference Series*, vol. 796, p. 012004, 2017. doi: 10.1088/1742-6596/796/1/012004

4. A. Tassone, M. Nobili, and G. Caruso, "Thermo-fluid dynamic study of the MHD flow around a cylinder in case of bounding walls with non-uniform electrical conductivity," in *Proceedings of CHT-17. 7th Symposium on Advances in Computational Heat Transfer*, (Naples), Begell House, 2017. doi: 10.1615/ICHMT.2017.CHT-7.110

5. A. Tassone, M. Nobili, and G. Caruso, "Magnetohydrodynamic flow and heat transfer around a heated cylinder of arbitrary conductivity," in *Journal of Physics: Conference Series*, vol. 923, p. 012024, IOP Publishing, 2017. doi:10.1088/1742-6596/923/1/012024

6. A. Tassone, A. Smirnov, and G. V. Tikhomirov, "Specifications for a coupled neutronics thermal-hydraulics sfr test case," in *Journal of Physics: Conference Series*, vol. 781, p. 012047, IOP Publishing, 2017. doi: 10.1088/1742-6596/781/1/012047

Non-Indexed Journal papers

1. L. Melchiorri, V. Narcisi, C. Ciurluini, F. Giannetti, G. Caruso, and A. Tassone, "Preliminary MHD pressure drop analysis for the prototypical WCLL TBM with RELAP5/MOD3.3," 2022. Under review. Pre-print available at SSRN: https://ssrn.com/abstract=4013528. doi: 10.2139/ssrn.4013528

2. A. Tassone, J. Meeusen, A. Serafini, and G. Caruso, "On the Simulation of Turbulent Heat Transfer for Low-Pr Fluid Cross-Flow in Tube Banks," *Preprint available at SSRN: https://ssrn.com/abstract=3969848*, 2022. Under review. doi: 10.2139/ssrn.3969848

Non-Indexed International Conference Papers

1. L. Melchiorri, A. Tassone, and G. Caruso, "Three-dimensional MHD flow in moderate change ratio orifice," in *Journal of Physics: Conference Series*, IOP Publishing, 2022. In press. Post-print available at SSRN: `https://ssrn.com/abstract=4010772`

2. S. Siriano, N. Balcázar, A. Tassone, J. Rigola, and G. Caruso, "Bubble motion in high-density ratio two-phase mixtures using InterIsoFoam," in *Proceedings of 18th Multiphase Flow Conference & Short Course*, 2021

3. F. R. Urgorri, I. Fernández-Berceruelo, A. Tassone, F. Edementti, E. Martelli, A. Del Nevo, D. Rapisarda, and A. Ibarra, "MHD and heat transfer analyses in PbLi radial channels for the EUROfusion WCLL breeding blanket," in *Proceedings of 11th PAMIR International Conference - Fundamental and Applied MHD, July 1 – 5, 2019, Reims, France*, pp. 1–5, 2019

4. L. Melchiorri, A. Tassone, and G. Caruso, "Numerical characterization of liquid metal MHD flow in electroconductive thick orifices with asymmetric contraction," in *Proceedings of 11th PAMIR International Conference - Fundamental and Applied MHD, July 1 – 5, 2019, Reims, France*, pp. 1–5, 2019

5. S. Siriano, A. Tassone, and G. Caruso, "Numerical study of MHD thin-film flows for plasma facing components," in *Proceedings of 11th PAMIR International Conference - Fundamental and Applied MHD, July 1 – 5, 2019, Reims, France*, pp. 1–5, 2019

6. J. Meeusen, A. Tassone, F. Giannetti, V. Narcisi, and G. Caruso, "Liquid metal turbulent heat transfer in cross-flow bundles for advanced nuclear reactors," in *Proceedings of XII International Conference on Computational Heat, Mass and Momentum Transfer (ICCHMT 2019), September 3 – 6, 2019, Rome, Italy*, pp. 1–8, 2019

7. A. Tassone, "Magnetic induction and electric potential solvers for incompressible mhd flows," in *Proceedings of CFD with OpenSource Software, 2016* (H. Nilsson, ed.), 2017. doi: `10.17196/OS_CFD#\YEAR_2016`

Non-Indexed National Conference Papers

1. D. Giusti, A. Venturini, N. Babodi, S. Cataldo, P. Cioli Puviani, P. Console Camprini, I. Di Piazza, G. Grasso, M. F. Leva, F. Papa, M. Tarantino, and A. Tassone, "Nuclear reactors as a power source for human in space and lunar outposts," in *Proceedings of ASI Workshop "Una Roadmap per la Luna: Scienza e Tecnologia", 1st - 3rd February 2022, Rome, Italy*, 2022

ROMA 25/01/2022

FIRMA