Curriculum Vitae

Name Paola Cessi Scripps Institution of Oceanography, University of California,
Work address San Diego,

Tel & email

Education

1982 Laurea with Honors in Physics, University of Bologna (Italy)
1987 Ph.D., Physical Oceanography, Massachusetts Institute of Technology-Woods Hole Oceanographic Institution Joint Program

Employment

2003-Present Professor at Scripps Institution of Oceanography, UCSD
1996-2003 AssociateProfessoratScrippsInstitutionofOceanography,UCSD
1993-1996 AssistantProfessoratScrippsInstitutionofOceanography,UCSD
1989-1992 AssistantResearchOceanographeratScrippsInstitutionofOceanography,UCSD
1988-1989 PostdoctoralResearcheratScrippsInstitutionofOceanography,UCSD

Publications: PC is author or co-author on approximately seventy peer-reviewed publications in physical oceanography and climate science. All-time h-index is 30 with about 2400 citations. Selected recent publications are:

Wolfe, C.L. and P. Cessi, 2010. What sets the strength of the mid-depth stratification and overturning circulation in eddying ocean models?. J. Phys. Oceanogr., 40, 2075-2090.

Wolfe, C.L., and P. Cessi, 2011: The adiabatic pole-to-pole overturning circulation. J. Phys. Oceanogr., 41, 1795-1810.

Cessi, P., and C.S. Jones, 2017: Warm-route versus cold-route interbasin exchange in the meridional overturning circulation. J. Phys. Oceanogr., 47, 1981-1997.

Ferreira, D., P. Cessi, H. K. Coxall, A. de Boer, H. A. Dijkstra, S. S. Drijfhout, T. Eldevik, N. Harnik, J. F. McManus, D. P. Marshall, J. Nilsson, F. Roquet, T. Schneider, R. C. Wills, 2018: Atlantic-Pacific Asymmetry in Deep-Water Formation. Annu. Rev. Earth Planet. Sci., 46, 327-352.

Cessi, P., 2019. The Global Overturning Circulation. Ann. Rev. Marine Sci., 11, 249-270.

Rousselet, L., Cessi, P. and Forget, G., 2021. Coupling of the mid-depth and abyssal components of the global overturning circulation according to a state estimate. Science Adv., 7, p.eabf5478.

Professional Service in 2022

Teaching graduate classes in geophysical fluid dynamics at SIO, UCSD.

Elected representative of UCSD to the system-wide senate assembly of the University of California.

Member of the US Atlantic Meridional Overturning Circulation (AMOC) Team (a US CLIVAR Program) (since 2012).

Editor of the Journal of Physical Oceanography (since 2016).

Associate Editor of Science Advances (2018-2021).

Graduate and Postdoctoral Advisee and present Position

Blanca Gallego, Associate Professor, University of New South Wales, Australia;
Matt Spydell, Project Scientist, UCSD;
Franç¸oisPrimeau,Professor,UCI;
Francesco Paparella, Associate Professor, NYU Abu Dhabi;
Jeff Polton, Research Scientist, Nat. Ocean. Centre, UK;
Christopher Wolfe, Associate Professor, Stony Brook University;
Ryan Abernathey, Associate Professor, Columbia University;
C. Spencer Jones, Assistant Professor, Texas A& M University;
Louise Rousselet, Scientific Officer, Mediterranean Institute of Oceanography, France;
Xiaoting Yang, Postdoctoral Scholar, SIO-UCSD.