

Rémi Carmigniani

CV in short	
<p>I graduated in Fluid Mechanics at Ecole des Ponts and in collaboration with Caltech in 2017. Since 2018, I have been appointed a researcher position at Ecole des Ponts and dedicated part of my research on sport physics and particularly on the study of “paddle sports” like swimming. In my work I try to bring methods from physics and fluid mechanics to sport practitioners developing or adapting tools (based on computer vision for pose estimation) to observe performance and simplified physic-based models to characterize athletes individually. I am author 13 papers published in international scientific, peer-reviewed journals.</p>	
Employment history and current position	
2018-	Researcher at the Hydraulic Saint Venant Laboratory (LHSV) at Ecole nationale des ponts et chaussée (Paris).
Research activities (fields of Interest)	
<p>Sports physics: Olympic swimming, paddle sports, coordination Fluid dynamics: wave structure (and bio-structure) interactions, wave breaking, wave energy</p>	
Teaching activities	
2011-2012	Oral exam administrator in Physics in Classe préparatoire, Lycée Sainte_Geneviève, Versailles
2017-2018	Teaching assistant in Hydrodynamics, Ecole Spéciale des Travaux Publics, Cachan, France
2018-	Teaching assistant in fluid mechanics, CFD and Sports Physics
Publications in short	
13	Original articles on peer reviewed journals
10	Refereed conference publications
20	Oral communications/Invited lectures
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