1077-55-1654   **Pascal Lambrechts*** (`pascal.lambrechts@uclouvain.be`), IRMP, chemin du cyclotron, 2, B-1348 Louvain-la-Neuve, Belgium. *Rational homotopy theory and spaces of smooth embeddings.* Preliminary report.

Goodwillie-Weiss manifold calculus is a powerful tool to study spaces of smooth embeddings. We will show on concrete examples how it can be used to get information on the rational homotopy type of these embedding spaces. (Received September 20, 2011)