1064-32-81 **Cinzia Bisi*** (bsicnz@unife.it), Via Machiavelli 35, 44121 Ferrara, Italy, and **Francesco Polizzi**. *On Proper Polynomial Maps of* $\mathbb{C}^n$.

Two proper polynomial maps $f_1, f_2 \colon \mathbb{C}^2 \longrightarrow \mathbb{C}^2$ are said to be *equivalent* if there exist $\Phi_1, \Phi_2 \in \mathrm{Aut}(\mathbb{C}^2)$ such that $f_2 = \Phi_2 \circ f_1 \circ \Phi_1$. We investigate proper polynomial maps of topological degree $d \geq 2$ up to equivalence. Under the further assumption that the maps are Galois coverings we also provide the complete description of equivalence classes. This widely extends previous results obtained by Lamy in the case $d = 2$. Moreover we partially work up these results in higher dimension. (Received August 30, 2010)