1163-13-490 **Alessio Caminata***, Dipartimento di Matematica, Universita' di Genova, via Dodecaneso 35, 16146 Genova, GE, Italy. *Realization of semigroups of modules in dimension greater than two.*

The set of isomorphism classes of finitely generated modules over a local ring equipped with the direct sum has a natural structure of Krull monoid. In this talk, we consider the following problem. Given a Krull monoid $\Lambda$ and a positive integer $d$ does there exist a $d$-dimensional local ring $R$ such that $\Lambda$ is isomorphic to the semigroup of isomorphism classes of finitely generated $R$-modules? We give a positive answer to the previous question for any $d \geq 3$. This generalizes a result by Roger Wiegand who proved it for $d = 2$. (Received September 08, 2020)