▸ FRANCISCO SANTIAGO NIETO-DE LA ROSA, OSVALDO GUZMÁN, ULISES ARIET RAMOS-GARCÍA, *Laver trees and forcing properties in the Katětov order.*
Centro de Ciencias Matemáticas, Universidad Nacional Autónoma de México, Antigua Carretera a Pátzcuaro No. 8701 Col. Ex Hacienda de San José de la Huerta Morelia Michoacán, México.
E-mail: fsnieto@matmor.unam.mx.

Let $\mathcal{I}$ be an ideal on ω. We say that a tree $T \subseteq \omega^{<\omega}$ is an $\mathcal{I}$-Laver tree if for every node $\tau \in T$ below the stem of T, the set of immediate successors of τ does not belong to $\mathcal{I}$. We denote by $\mathbf{L}(\mathcal{I})$ the collection of all $\mathcal{I}$-Laver trees, ordered by inclusion.

Several forcing properties of $\mathbf{L}(\mathcal{I})$, such as adding Cohen reals or having the Laver property, depend on the ideal $\mathcal{I}$. In this talk, we characterize these forcing properties in terms of the Katětov order, providing purely combinatorial criteria.