

# VIRTUAL EAST-WEST SCV SEMINAR

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## DYNAMICAL ASPECTS OF FOLIATIONS WITH AMPLE NORMAL BUNDLE

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We prove the following result that was conjectured by Brunella: Let  $X$  be a compact complex manifold of dimension  $\geq 3$ . Let  $\mathcal{F}$  be a codimension one holomorphic foliation on  $X$  with ample normal bundle. Then every leaf of  $\mathcal{F}$  accumulates to the singular set of  $\mathcal{F}$ . The main point is the localization of the first Atiyah/Chern classes of the normal bundle of  $\mathcal{F}$  by means of (non-integrable) holomorphic connections. This is joint work with Judith Brinkschulte.

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