Groups and loops partitioned by subgroups

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A set of subgroups of a group is said to be a partition if every nonidentity element belongs to one and only one subgroup in this set. The study of groups with partition dates back to a paper by Miller published in 1906. In this presentation we will talk about groups and loops that are partitioned by subgroups. We will also discuss finite p-groups such that a subset of their maximal subgroups form an equal quasi-partition.