2020 to Paul R. Milgrom and Robert B. Wilson "for improvements to auction theory and

# The Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 2020



**Auctions are everywhere** 

Every day, auctions allocate astronomical values between buyers and sellers. Auctions affect all of us, at every level - they determine the prices of housing, electricity, securities, commodities and many other things. This year's Laureates, Paul Milgrom and Robert Wilson, have developed auction theory and invented new auction formats. Their discoveries have benefitted sellers, buyers and consumers around the world.

radio frequencies or the amount of minerals in a specific area are two examples. His theory also explains why rational bidders tend to place bids below their own best estimate of the common value: they are afraid of the winner's curse, i.e. paying too much and losing on the transaction (image 1).

In most auctions, the object not only has a common value, but also a private value.
For example, when bidding for a house, you consider the location of the house relative to

auction format in which many interrelated objects could be auctioned off at the same tim – the Simultaneous Multiple Round Auction (SMRA) (image 2). This auction format was first used in the US in 1994, and many other countries have followed since.

the negative consequences of the winner's curse, a seller should give the buyers as much information as possible – for example, house inspection protocols, results of test drilling, or certificates of authenticity.





