Abstract submitted for Celebration of Women in Australian Mathematical Sciences

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Title: Parallel Parking
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Session: Geometry and Topology

Contact geometry is sometimes described as the odd-dimensional cousin of symplectic geometry. Although the field has connections to many branches of pure mathematics, in this talk I'll focus on one of its most profound applied theorems: it's possible to parallel park your car in any parking space strictly larger than the car itself. (Note: this is a non-constructive proof.)