

### **DenseDisp: Resource-Aware Disparity Map Estimation by Compressing Siamese Neural Architecture**

Loni, Mohammad; Zoljodi, Ali; Maier, Daniel; Majd, Amin; **Daneshtalab, Masoud**; Sjödin, Mikael; Juurlink, Ben H.H.; Akbari, Reza  
2020 IEEE Congress on Evolutionary Computation (CEC) : conference proceedings 2020 / 8 p  
<https://doi.org/10.1109/CEC48606.2020.9185611>

### **Designing Compact Convolutional Neural Network for Embedded Stereo Vision Systems**

Loni, Mohammad; Majd, Amin; Loni, Abdolah; **Daneshtalab, Masoud**; Sjödin, Mikael; Troubitsyna, Elena 2018 IEEE 12th International Symposium on Embedded Multicore/Many-core Systems-on-Chip : MCSoc 2018 : proceedings 2018 / p. 244–251 : ill  
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### **FastStereoNet : A fast neural architecture search for improving the inference of disparity estimation on resource-limited platforms**

Loni, Mohammad; Zoljodi, Ali; Majd, Amin; Ahn, Byung Hoon; **Daneshtalab, Masoud**; Sjödin, Mikael; Esmaeilzadeh, Hadi IEEE Transactions on Systems, Man, and Cybernetics : Systems 2022 / p. 5222-5234 : ill <https://doi.org/10.1109/TSMC.2021.3123136> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Improving motion safety and efficiency of intelligent autonomous swarm of drones**

Majd, Amin; Loni, Mohammad; Sahebi, Golnaz; **Daneshtalab, Masoud** Drones 2020 / art. 48, 19 p. : ill  
<https://doi.org/10.3390/drones4030048>