EMC SOCIETY German Chapter

IEEE

Student Contest 2020

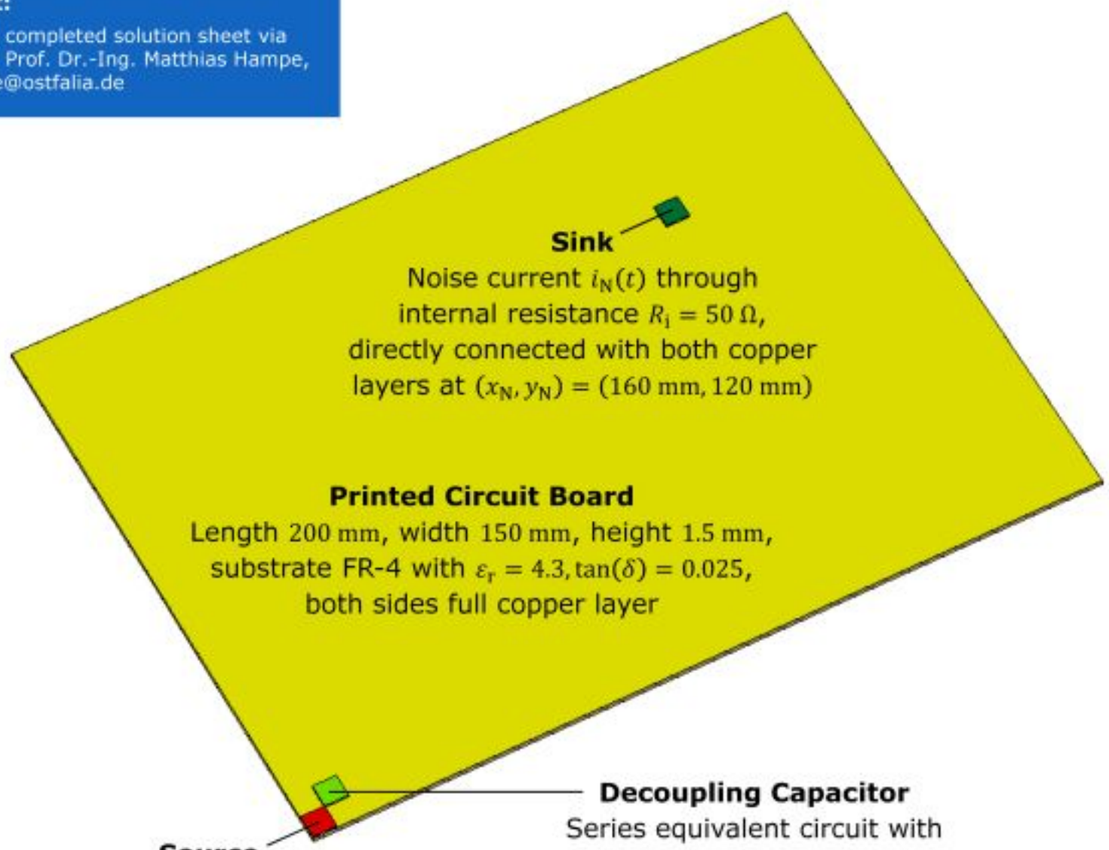
Sponsored by the German Chapter of the IEEE EMC Society

Start date: 15.06.2020
End date: 31.12.2020

Eligible participants:
Students of Electrical Engineering and Information Technology or similar subjects with Bachelor degree or below

Contact:
Send the completed solution sheet via email to: Prof. Dr.-Ing. Matthias Hampe, m.hampe@ostfalia.de

Choose your decoupling capacitor: Which values of C and R minimize the noise current $i_N(t)$?



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Solution Sheet 2020

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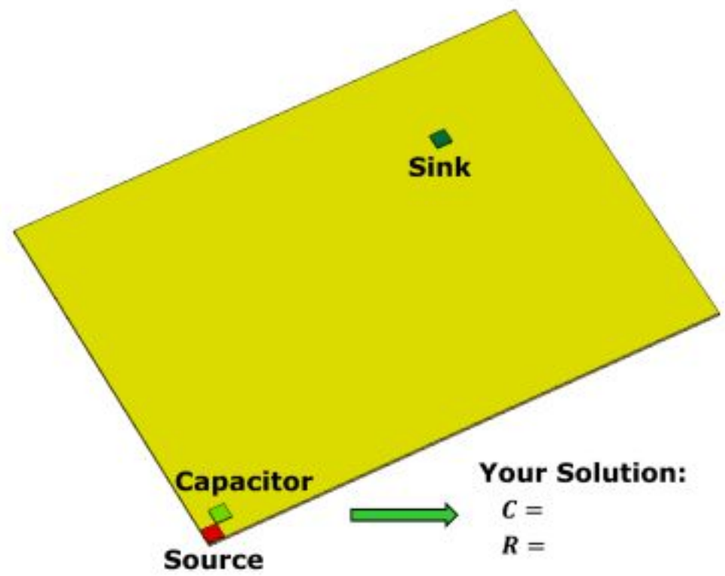
Participants, up to 3 students:

Email address of contact person:



How was the solution determined and why is the selected capacitor so effective?