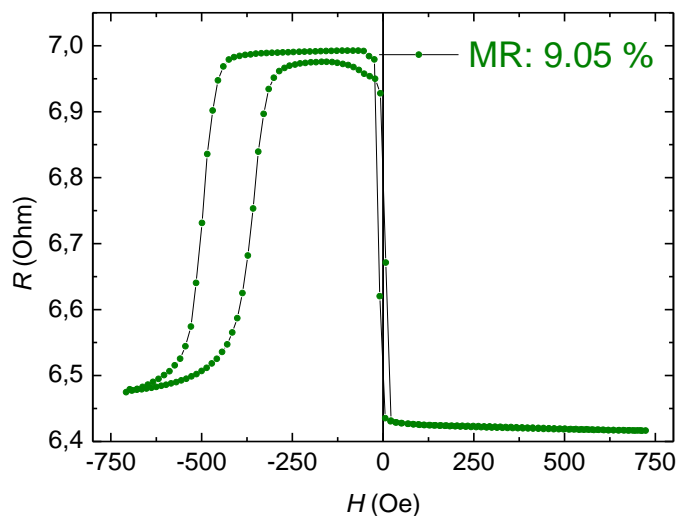


平面化三軸自旋閥巨磁阻感測器

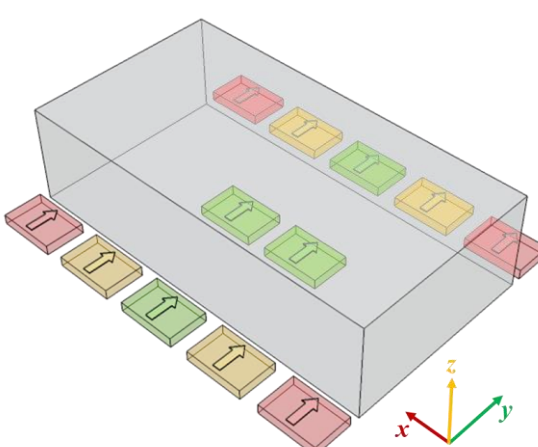
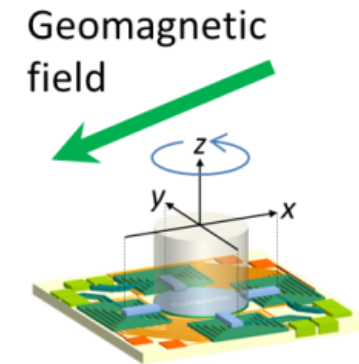
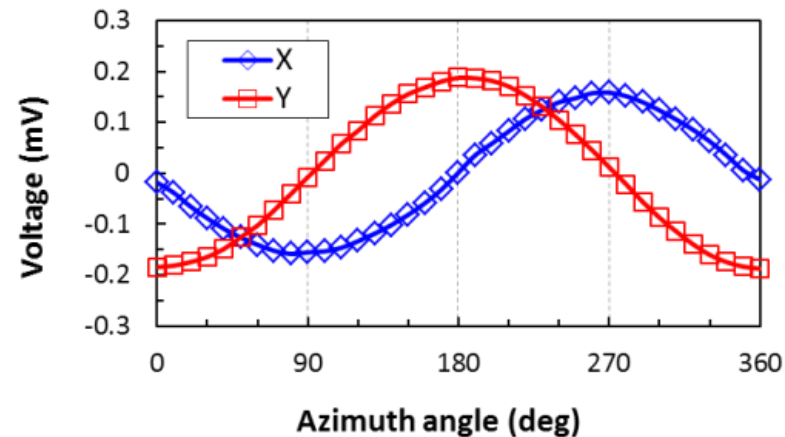
Planarized 3-axis spin-valve GMR sensor



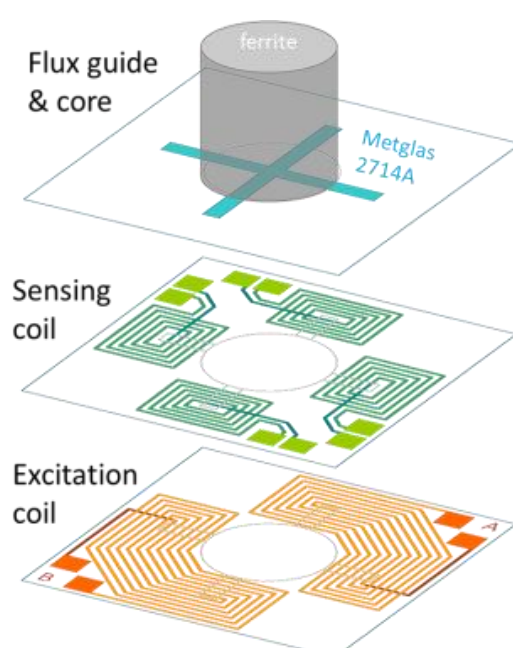
Ta [2 nm]	
Ir/Mn [10 nm]	Ir25%Mn75%
Co/Fe [2.5 nm]	
Cu [2.2 nm]	
Co/Fe [1.5 nm]	Co80%Fe20%
Ni/Fe [3 nm]	Ni80%Fe20%
Ta [5 nm]	
Si/SiO <sub>2</sub>	

CMOS-MEMS三軸通量閘磁場感測器

CMOS-MEMS 3-axis fluxgate magnetic field sensor

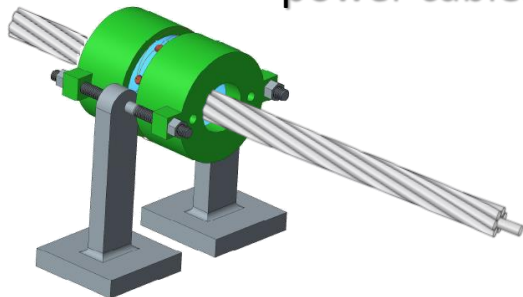


IEEE Nanotechnology Council  
2018 Best Paper Award

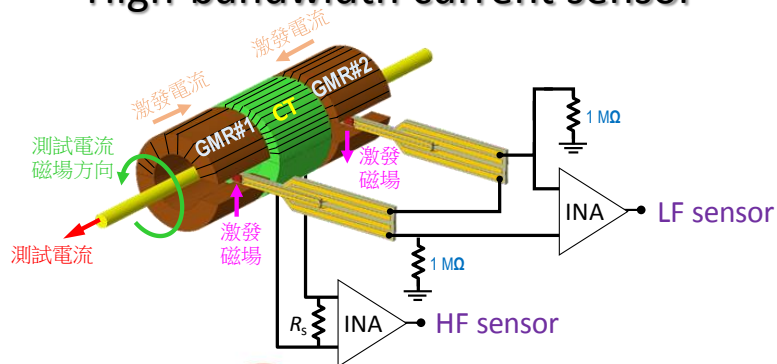


2018  
旭泰科技論文金獎

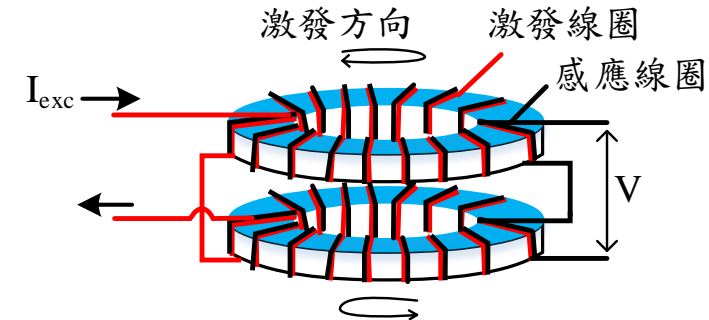
輸電導線渦電流檢測  
Eddy-current detection for power cables



高頻寬電流感測器  
High-bandwidth current sensor



通量閘電流感測器  
Fluxgate current sensor



2019  
旭泰科技論文佳作



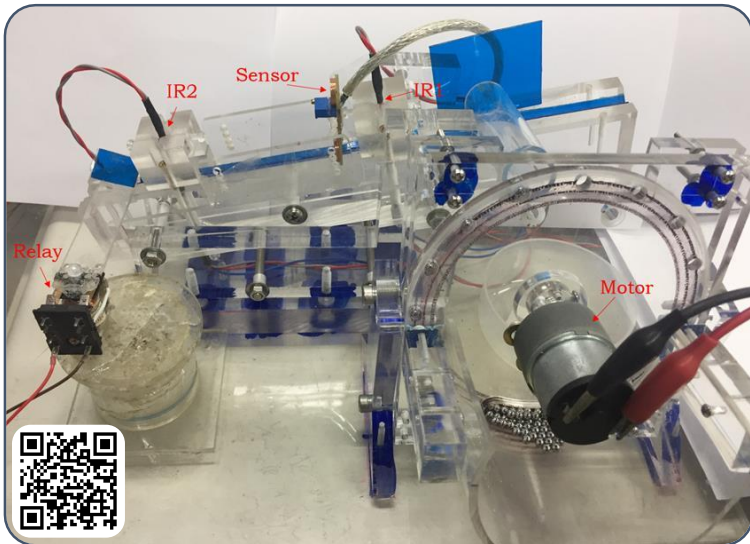
2019  
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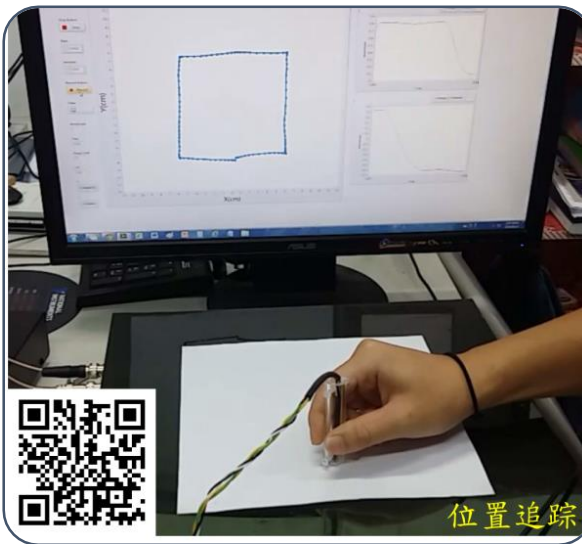


2018  
旭泰科技論文  
優良創意獎

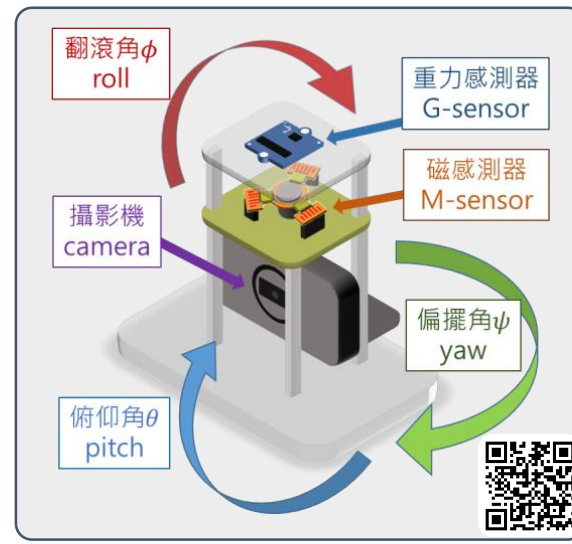
金屬檢測 Metal Detection



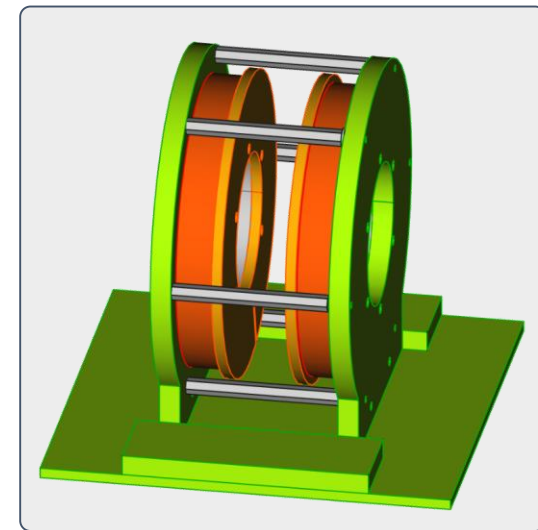
位置追蹤 Position tracking



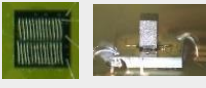

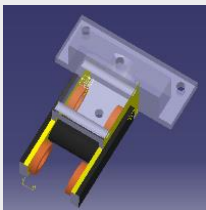
運動感測 Motion sensing



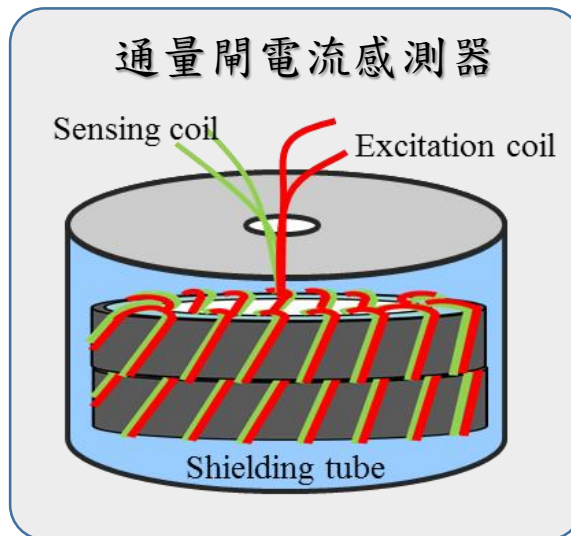
線圈設計 Coil design



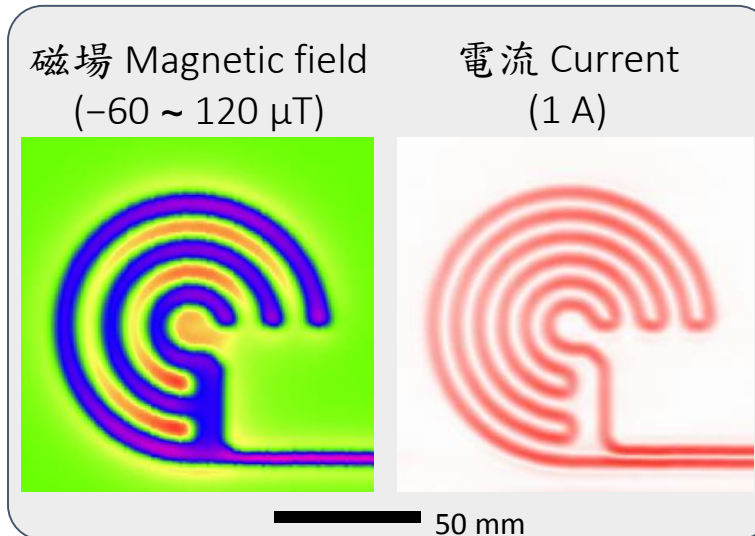
磁感測器 Magnetic sensors

-  微通量閘  
Micro Fluxgates
-  自旋閘巨磁阻  
GMR spin-valve
-  渦電流感測器  
Eddy-current sensor

電流感測 Current sensing



磁源映像 Magnetic source imaging



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