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*Workshop dedicated to the memory of Professor Gabriela Kohr  
(3rd edition)*

**Geometric Function Theory in Several Complex Variables and Complex Banach Spaces**

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## **Mapping spaces and holomorphic functions**

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### **Abstract**

Consider a complex manifold  $X$  and a compact Hausdorff space  $S$ . Continuous maps from  $S$  to  $X$  form an infinite dimensional complex manifold. The talk will discuss two theorems concerning holomorphic functions on such mapping spaces, one reminiscent of the Monodromy theorem, the other of Liouville's theorem.